

"The Clear Choice For Display Solutions"

New Retail
Hospitality
Public Services
Industrial Automation
Entertainment
Smart Education

Embedded Solutions

Edge AI, Digitalization, Automation

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About Giada

Giada, a leading AIoT solution provider, is driven by the corporate vision to become the world's leading edge intelligence technology company. To embrace the trends of edge computing and artificial intelligence, Giada provides a full-stack edge computing solutions with enhanced NPU and GPU capability for enterprise customers across various sectors, including digital signage players, embedded& industrial computers and motherboards, computing modules, AI accelerator cards, edge servers. Our solutions are applied across various fields as smart retail, hospitality, entertainment, industrial automation and public service.

Market Positions

Giada has been certified as a National High-tech Enterprise and a Technologically Advanced Enterprise, and Intel® Prestige Partner. With 27 years of deep industry expertise, Giada is recognized as Europe's No.1 digital signage player brand.

27

Years of Computer Design and Manufacturing Experience

80+

Countries' Customers around the World

No.1

Signage Player Brand in Europe

180+

Global Partners

Design & Manufacturing

Giada dedicates over 10% of its annual revenue to R&D, especially on edge AI computing technologies and ecosystem adaptation. This investment, backed by 150+ patents, ensures our solutions are not only robust and reliable but also at the forefront of applied AI technology.

With over 20 years of manufacturing experience, Giada operates a 100%-owned factory in Dongguan, certified to ISO-9001 and ISO-14001 standards. In addition to its standard products, Giada offers OEM / ODM / SKD / CKD services, ensuring strict quality control, timely design, and on-time deliveries to maximize customer value.

Core Value



JAHC

(JIEHE Active Hardware Control)

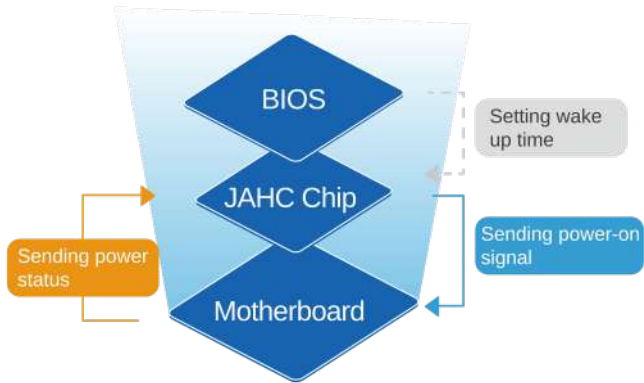
Main Functions

- Automatic Power On
- RTC Wake Up
- Watchdog Timer



Solution Value

-  Saving maintainance costs by remote and unattended hardware operations.
-  When the system crashes, it can be detected and restarted automatically.
-  Avoiding devices running in non-working hours to reduce the energy waste.



Features

Hardware-based Control

Using separate JAHC chip (MCU) to control PC, highly reliable. The program has been set up in the JAHC chip. There is no need for network access.

Supporting Multiple OS

Coordinate with Giada devices, Giada provides the software for setting JAHC. The software supports Windows/Android operating system.



Software Setting Panel

Setting RTC easily with user-friendly JAHC software. The visual user interface is used to set and display the execution schedule.

Integration and Development

Providing JAHC API and supporting debug when solution partners need to integrate JAHC function.

Green Policy



Sustainability Vision

Since its founding in 1999, Giada has adhered to the environmentally friendly strategy. We align with government policies to support sustainable development and environmental protection initiatives, while adhering to both local regulations and international standards. Environmental, Social, and Corporate Governance (ESG) principles are integral to our mission.

Durable Design

Giada prioritizes designing products that are built to last. By focusing on durability, the company ensures that its devices are not only more reliable but also less likely to become outdated. Besides, longer product lifespan reduces the frequency of replacements, which in turn decreases the environmental impact associated with manufacturing and disposal.

Recycle Packaging

Our packaging materials are recyclable, contain no hazardous substances and comply with EU packaging directives and other national requirements. Giada has renewed most packing designs since 2022, adopting more environmental-friendly material and compact design.

Energy Saving

Giada products feature our patented JAHC technology, a hardware-based solution that allows users to manage devices remotely with ease. Integrated into the BIOS, JAHC enables automatic startup and shutdown scheduling, ensuring devices aren't running outside of working hours and helping users significantly reduce power consumption.

ErP Certification

Giada's products fully comply with the European ErP Directive. This certification ensures that our entire product lineup—from embedded computers to digital signage players—meets strict ecodesign and energy-efficiency requirements. By reducing power consumption in off, standby, and networked standby modes, our solutions not only align with EU regulations but also help lower environmental impact, demonstrating our commitment to sustainable and energy-efficient technology.

"Inaugurated in July this year, the project is already a sales success. We are grateful for the professionalism of Giada, who provided media players for this project."

CEO of Motiv Design



"We selected the digital signage players from Giada for the project at Orient because they are durable and very stable in operation, as well as offering excellent value for money. They also enable Windows-based use."

Said the Project Manager



Giada D68/D611/D612

Drive Better Visual Experience to Porsche Center

Location: Europe/Asia/Brazil

Industry: Retail



7 x 24 operation



Supporting up to 8K



Environmental-friendly

Introduction

Motive Design, a design company specialized in Content Design for digital media out of home, was approved by Porsche to execute and tropicalize audio and digital signage projects for Porsche stores. Porsche's new store concept, called Destination Porsche, demands a digital signage solution with the most advanced customer touch points, which can transform the retail environment into a digital experience.

Product Deployed

Giada D68

- Intel® Core™ i5-8259U processor
- 2 x 4 GB, SO-DIMM DDR4 memory
- 1 x 256 GB, M.2 (2280) SSD
- 2 x HDMI, 1 x DP
- Ethernet network access

Giada D611

- Intel® Core™ i5-1135G7 processor
- 2 x 4 GB, SO-DIMM DDR4 memory
- 1 x 256 GB, NVMe SSD
- 2 x HDMI, 1 x DP
- Ethernet network access

Giada D612

- Intel® Core™ i5-i3-1215U processor
- 2 x 4 GB, SO-DIMM DDR4 memory
- 1 x 512 GB, NVMe SSD
- 4 x HDMI
- Ethernet network access

Key Benefits

- Reliable for stable running
- Supporting up to 8K display
- With ultra-compact size, flexible and easy to install



Giada D612

Food Wholesaler Uses LED Technology to Address Customers

Location: Austria

Industry: Retail



7 x 24 operation



Supporting up to 4K



Environmental-friendly

Introduction

Orient Marketing service is one of the largest Turkish food wholesalers in Europe. The family-run company opted for a large-scale LED installation for its new salesrooms to prominently display both self- and product promotion. A 21 m² LED wall and a 43 m² LED ticker above the entrance and checkout area as well as a 350° clad column equipped with LED hardware from the Turkish supplier Ledeca are used here. Digital signage players from Giada provide the high-resolution content for the LED installation.

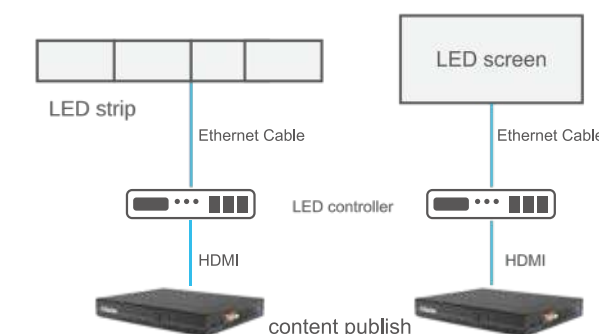
The devices were supplied by the Munich-based value-added distributor Concept International, which distributes Giada PCs for German-speaking countries.

Product Deployed

- Intel® Core™ i3-1215U processor
- 8 GB, 2 x SO-DIMM DDR4 memory
- 125G, 1 x M-Key M.2 (2242/2280) for PCIe SSD
- 4 x HDMI, supporting 4K display
- 1 x B-Key M.2 (3042/3052) for 4G

Key Benefits

- Supporting up to four 4K displays (4096 x 2304 @60Hz) via four HDMI 2.0 ports
- Featuring TPM 2.0 and Intel vPro for more stability and more efficient use of resources thanks to integrated performance, data security and management functions
- Compatible with the 5G mobile network



"Giada is a known, trusted, and reliable brand that consistently delivers high-performance solutions. Their hardware has proven to be a perfect fit for our digital signage needs, providing seamless content management and deployment."

Said Operations Director of
Amazon Fresh London branch



"Customers love these machines. They can mix and match their favorite flavors. The monthly sales are fantastic! We deploy Giada embedded PCs for this solution, and this helps us save the costs."

the Supervisor of Operations



Giada DN76/DN73

Players Power Digital Signage Solutions in Amazon Fresh

Location: United Kingdom

Industry: Retail



7 x 24 operation



Long product life cycle



Environmental-friendly

Introduction

Amazon Fresh, a subsidiary of Amazon based in Seattle, is a grocery retailer with physical stores in select cities and delivery services available both domestically and internationally.

Amazon Fresh stores are known for integrating digital signage, smart shelves, and contactless payment options, offering a modern and seamless shopping experience.

As the brand prepares to open new outlets in London, they turned to our partner Tekdis Ltd UK for a trusted digital signage solution. Stability, ease of use, and scalability were key factors that the customer prioritized to ensure seamless content management in high-traffic retail environments. Tekdis provided Giada Android players for this digital signage project. Giada's Android player DN73 and DN76 perfectly fit the customer's needs.

Product Deployed

Giada DN76

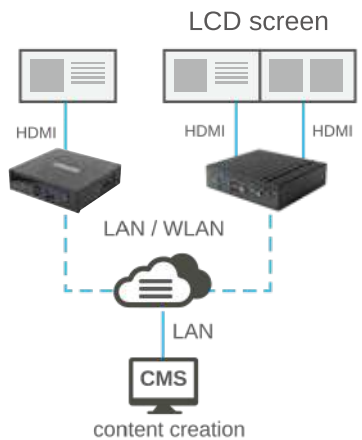
- Rockchip® RK3568 Processor
- 2 GB, Onboard DDR4, 2 Channels
- 32 GB, Onboard eMMC
- 2 x HDMI
- 1 x RJ45, Onboard Wi-Fi/BT module, 1 x Mini-PCIe for 3G/4G

Giada DN73

- Rockchip® RK3328 Processor
- 2 GB, Onboard DDR4, 2 Channels
- 32 GB, Onboard eMMC, 1 x TF Card Reader
- 1 x HDMI
- 1 x RJ45, Onboard Wi-Fi/BT module, 1 x Mini-PCIe for 3G/4G

Key Benefits

- Reliability: Proven performance for uninterrupted playback.
- Deployment: DN73 & DN76 enable quick setup with minimal maintenance.
- Scalability: allows easy scaling of digital signage networks to meet the evolving needs of growing retail chains.



[Learn More](#)

Giada F106D

Embedded PCs Power the Skittles® Remix Digital Kiosk

Location: USA

Industry: Retail



7 x 24 operation



Reliable Connectivity



Cost Savings

Introduction

Skittles® is the leading non-chocolate candy brand globally. To meet the demand for personalized candy selections, Incredivend developed the Skittles® Remix Digital Kiosk. These kiosks are strategically placed in high-traffic locations across the United States, including universities, movie theaters, airports, stadiums, entertainment centers, trampoline parks, casinos, and malls. The kiosks allow Skittles® fans to customize their candy mixes.

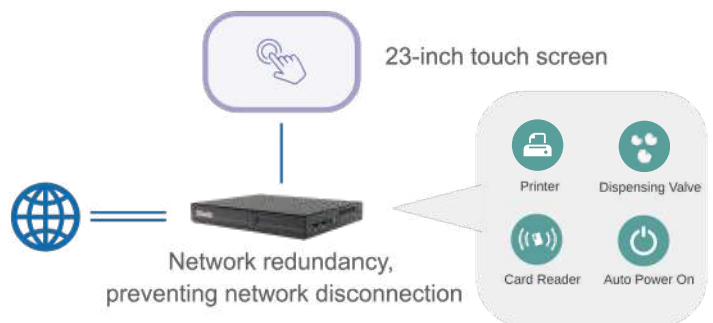
The kiosks are designed to help expand sales at a lower cost, therefore they required the embedded hardware to be highly reliable and stable. The kiosks need to operate 24/7, and any device downtime would result in a loss of sales revenue. Besides, the hardware is supposed to be cost-effective and support dual-LAN and Auto-power on. After comparison, they chose Giada embedded PCs and have deployed hundreds of these kiosks until June, 2024.

Product Deployed

- Intel® Jasper Lake Celeron® N5100 processor
- 4 GB, Onboard LPDDR4-2666 MHz
- 128GB, 1 x M.2 for SSD
- 1 x DP, 1 x HDMI, Supporting 4K Display
- 2 x RJ45, Support Wi-Fi 5, Wi-Fi 6
- 2 x USB3.2 Gen2, 4 x USB2.0, 1 x RS232

Key Benefits

- Cost Savings: the deployment was cost-effective without compromising on quality or performance
- Reliable Connectivity: The dual LAN capability ensured continuous and stable network connectivity, crucial for interactive vending experiences.
- Automatic Recovery: With auto-power on functionality, the kiosks could automatically restart after power outages or scheduled maintenance, minimizing downtime and ensuring consistent operation



"We are very satisfied with Giada products, the deposit safes powered by Giada embedded PC are running stably."

Said the Product Director



"We need digital display to help create an intelligent experience shop. By comparing many products, we finally chose Giada's products, which are high-performance and stable. By integrating AI technology, the solution helps to bring pleasant dining experience to our guests."

Said the director of operations



Giada F110D/F108D

Cash Management Solution for Burger King Adopts Giada Embedded PC

Location: Australia

Industry: Hospitality



Highly reliable



Rich I/O ports with at least 2 x COM ports



Ultra-compact size

Introduction

The customer is an integrator providing cash management solutions for retailers. When the integrator, a global leader in security solutions, customized safes for Burger King, they demanded compact embedded PCs featuring high reliability. Five years ago, they purchased Giada F110D for its reliability and long life cycle. Over the past years, the product supply of Giada has been very stable, ensuring them to deploy the project as planned. They have installed around 360 units in Australia and New Zealand, and will deploy around 2,000-3,000 units in Burger King outlets worldwide.

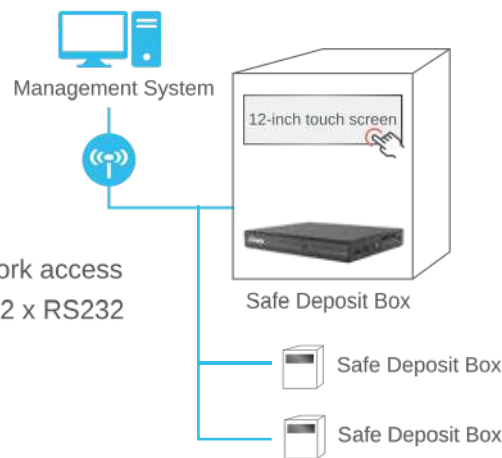
Product Deployed

Giada F110D

- Intel® Celeron® J1900 processor
- 4 GB, SO-DIMM DDR3L
- 64 GB, MSATA SSD
- 1 x HDMI, 1 x VGA
- Ethernet, Wi-Fi network access
- 1 x USB3.2 Gen1, 4 x USB2.0, 2 x RS232

Giada F108D

- Intel® Processor N100
- 4 GB, 1 x SO-DIMM DDR4
- 1 x 128 GB, NVMe SSD
- 1 x DP, 2 x HDMI
- 2 x 1 GbE Ethernet, Wi-Fi network access
- 2 x USB3.2 Gen2, 4 x USB2.0, 2 x RS232



Key Benefits

- Highly-reliable solution, with stable product supply
- Compact size, suitable to be integrated in space-demanding applications
- Supporting 24/7 continuous operations

Giada D611

Brings Magical Dining Experience in Germany

Location: Germany

Industry: Hospitality



Able to play 8K content



Support AI function



Support mounted sensors

Introduction

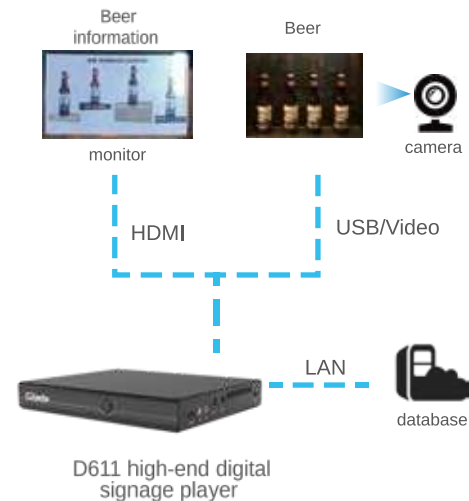
Beer-tasting events in a beer experience shop in Germany was proved to be a great success in attracting customers. A digital "beer sommelier" for beer-tasting events was the key element of this client project. Various animations were shown on an 84" 8K display to visually explain the brewing process and to show information for all available beers. The centrepiece of the solution is a little box triggering the animations when specially labeled beer bottles are placed on it. Each beer bottle triggers a different animation so that the sommelier can individually control the entire presentation simply by placing down different bottles. Thus, for the guests, it seems like the presentation is controlled by magic.

Product Deployed

- Intel® Core™ i5-1135G7 processor
- 2 x 8 GB, SO-DIMM DDR4 memory
- 256 GB, NVMe SSD
- 1 x DP, 2 x HDMI, Supporting 4K Display
- Ethernet, Wi-Fi network access
- 5 x USB 3.2 Gen1, 1 x RS232

Key Benefits

- Book-size, easy to be installed and maintained
- High-performance, supporting 8K display
- Supporting Various Applications of AI



"We have a total of 1,180 Starbucks coffee outlets in South Korea, and we have been using Giada devices in many outlets. Giada's products are stable, cost-effective and Giada provides good after-sales service. We are going to continue cooperation with Giada."

A Starbucks Operations Director



"Giada's AE613 embedded players have consistently delivered the high performance and reliability we need for our digital signage solutions. The ability to integrate dual displays with ease, combined with their durable design, has made them our preferred choice for our commercial projects."

Said project manager of Just Digital Signage



Giada VM23

Korea Starbucks Drive Thru solution adopts Giada Entry-level player

Location: South Korea

Industry: Hospitality



Interaction



Semi-outdoor Kiosk



Fanless

Introduction

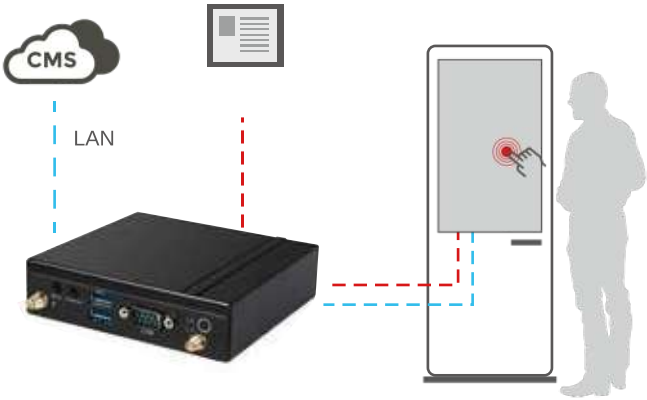
The advertising machines of Starbucks in South Korea are usually placed at the entrance of the stores or the parking lot. They mainly adopt the vertical advertising machines, which are used to display new products and menus. The machines are also convenient for customers to order coffee. However, the space inside the advertising machines is limited, which requires small and light embedded computers. The machines also need to work continuously in the semi-outdoor environment for a long time.

Product Deployed

- Intel® Celeron® N3350 processor
- 2 GB, Onboard DDR4 memory
- 32 GB, Onboard eMMC
- 1 x DP, 1 x HDMI
- Ethernet, Wi-Fi network access
- 2 x USB3.2 Gen1, 2 x USB2.0, 1 x COM

Key Benefits

- Adopting Giada Patented Technology (remote control system) for intelligent power management
- Stable performance and supporting continuous operation
- Fanless design, silent and dust-free



Giada AE613

Deployed in Outdoor Interactive Wayfinding Kiosks

Location: Australia

Industry: Public Services



7 x 24 operation



Reliable Connectivity



Wide temperature and voltage

Introduction

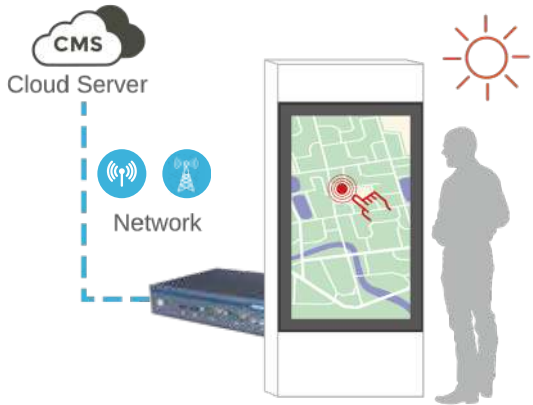
When the Sunshine Coast Council sought a digital signage solution for the new Maroochydore City Centre in Australia, our partner, JDS, worked closely with them to develop and deploy interactive wayfinding kiosks. The solution required a robust embedded system that could handle challenging outdoor conditions and deliver reliable performance. For this, JDS chose Giada' s AE613 Embedded PC, integrating it into the kiosks to meet the high demands of both the environment and the project.

Product Deployed

- Intel® Core™ i3-1315U Processors
- 8 GB, 2 x SO - DIMM DDR4
- 1 x 128 GB, MSATA SSD
- 1 x DP, 2 x HDMI
- 256 GB, 1 x M.2 for SSD
- 2 x RJ45, 1 x M.2 for Wi - Fi/BT, 1 x M .2 for 3G/4G

Key Benefits

- Reliable Performance: Robust 24/7 operation for uninterrupted multi-screen content
- High-Quality Graphics: delivers sharp, high-resolution visuals for all digital content
- Temperature Resistance: Reliable in outdoor environments with wide operating temperature range



"We needed reliable and compact embedded computers for our digital signage solution. The Giada DK310 was proven to be an ideal choice for the hospital self-service terminals. The PC is compatible with the Linux Operation System we used, and its fanless design makes it a perfect match for the kiosks. The PCs have been running for over 2 years in our hospital, and it's really one of the most reliable units I used in recent years."

Said the Operations Manager



"Giada's R&D and manufacturing capabilities have delivered high-performance and extremely stable industrial-grade motherboards for us. Its customization capabilities also adapt well to the diverse scenarios of medical imaging equipment."

Said the Product Director



Giada DK310

Powers Patient Check-in Service in Hospital

Location: United Kingdom

Industry: Healthcare



Introduction

The self-service terminals in hospitals need to deal with a lot of procedures and to provide users with convenient operating experience. Therefore, the machines need to well support human-computer interaction. Besides, they are supposed to run stably and continuously for a long time. After tests and comparison, the customer finally chose Giada DK310.

Product Deployed

- Intel® Celeron® J6412 processor
- 4GB, Onboard DDR4 memory
- 1 x 128 GB, MSATA SSD
- 1 x DP, 1 x HDMI
- Ethernet, Wi-Fi network access
- 4 x USB3.2 Gen2, 1 x RS232

Key Benefits

- Stand for long-term operation
- Multiple interfaces for various external devices
- Compact size, easy to install and maintain
- Cost-effective



Giada PN6*** (Customized Products)

Powers Medical Imaging Equipment

Location: China

Industry: Healthcare



Introduction

A top-tier medical ultrasound equipment manufacturer in China partnered with Giada to enhance the performance, stability, and reliability of its diagnostic imaging systems in the past decade. Operating in a highly regulated medical environment, the customer required an embedded computing platform capable of delivering stable real-time image processing, long-term component availability, and strict medical-grade reliability.

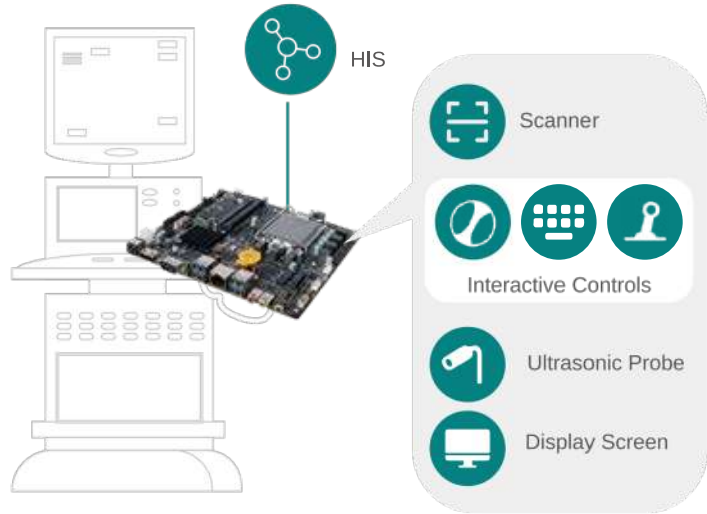
By integrating Giada's industry motherboard solution, the customer significantly accelerated its product development cycle while improving overall system stability. This partnership allowed the medical imaging provider to focus on continuous clinical innovation rather than hardware complexity and maintenance challenges.

Product Deployed

- Intel® Core™ processors
- H610 chipset
- 8 GB/16GB, 1 x SO-DIMM DDR4 memory
- 1 x 256 GB, M.2 SSD
- HDMI, VGA, LVDS/eDP
- 8 x USB, 2 x COM, 16 x GPIO, support RCA

Key Benefits

- Stable Real-Time Image Processing
- Offering long-term supply guarantees to cover the full lifecycle of medical equipment
- Rich I/O & High Expandability



"From prototype to deployment, Giada's team collaborated closely with us to refine every detail. Our operators now manage the entire photo studio network with complete confidence and no technical concerns."

Said Director of
Operations & Hardware Engineering



"This smart classroom will set a new benchmark for higher education in Ghana and across Africa. By integrating embedded motherboards from Giada, we help advance the digital transformation of education and prepare our students for a future where technology plays a pivotal role in learning. This collaboration exemplifies how reliable partnerships can foster digital education transformation."

Said IT director of University of Cape Coast



Giada BQ612

Power Self-Service Photo Booths

Location: USA/Europe

Industry: Public Service/Entertainment



Quick delivery



Reliable Connectivity



Privacy and Security

Introduction

Giada has been a trusted hardware partner for self-service photo booth operators, providing robust embedded computing solutions that address their complex needs. A prime example is the successful deployment of the Giada BQ612 platform for a globally leading photo booth operator, enabling a single hardware system to reliably power both official document photo booths requiring strict accuracy and security, and entertainment photo booths demanding fast effects and a smooth user experience. This solution not only unified hardware to reduce costs but also enhanced performance, security, and centralized management.

Product Deployed

- Intel® Core™ i5-13400 processor
- 16 GB, 2 x SO-DIMM DDR5 memory
- 1 x 256 GB, M.2 (2280) SSD
- 1 x HDMI, 1 x VGA
- 8 x USB, 1 x Type-C, 1 x COM,
- TPM2.0
- 2 x 1 GbE RJ45

Key Benefits

- High-speed processing enables instant photo capture, editing, and output
- The industrial-grade design ensures stable 24/7 operation in busy public environments
- Rich I/O supports simultaneous connection of cameras, touch displays, printers



Giada IB4-271

Powers Smart Classrooms in Ghana

Location: Ghana

Industry: Education



Long product life cycle



Reliable Connectivity



Fanless

Introduction

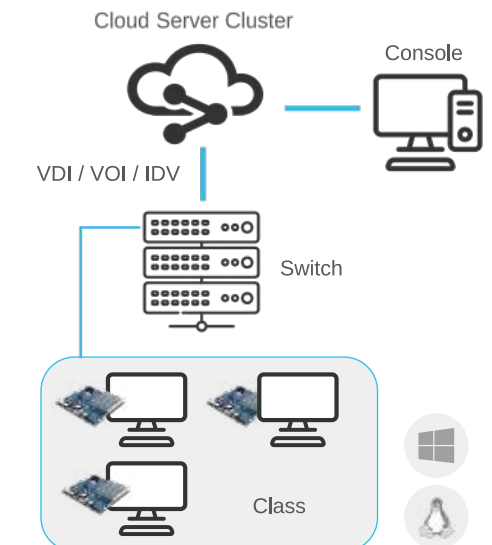
On July 31, 2025, the University of Cape Coast (UCC), ranked as Ghana's top university, celebrated the official inauguration of a cutting-edge smart classroom built in collaboration with OS-EASY Technology-China, UNESCO, and Southern University of Science and Technology. This landmark event represents a significant step in the internationalization of educational technology, signaling the launch of an innovative platform for digital education in West Africa. The smart classrooms adopts OS-EASY AIO Solution powered by Giada Thin-ITX SBC. OS-EASY is a client of Giada for years and they cooperate successfully in many projects. For this project, OS-EASY adopts Giada's Thin-ITX SBC for its reliability and compact form-factor.

Product Deployed

- Intel® Celeron® J6412 processor
- 4 GB, 2 x SO-DIMM DDR4 memory
- 128 GB, M.2 SSD, 2 x SATAIII reserved
- Support DP, HDMI/J_HDMI, LVDS/eDP display output
- 3.5mm headset, 2 x RJ45, 8 x USB, support Wi-Fi 6
- Thin Mini-ITX form factor

Key Benefits

- High-Resolution Display Support
- Offering multiple storage options
- Standard factor ensures that this SBC fits into a compact, integrated unit



Giada WA814

Small Form Factor Workstation

AI Computer

- B760
- Nvidia GPU
- HDMI
- DP
- 7xUSB



RoHS FCC CE UKCA

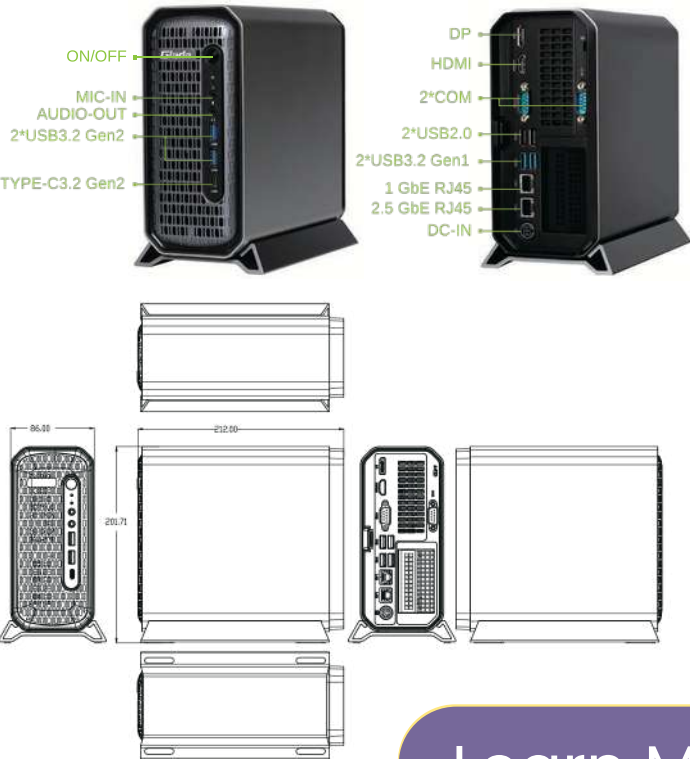
Features

- Intel® LGA1700 Socket 12th/13th/14th Gen. Processors
- 1 x HDMI, 1 x DP
- Up to 96 GB, 2 x SO-DIMM DDR5
- 2 x M.2 for SSD, 1 x 2.5" SATA
- Supporting Low-Profile Dedicated Graphics Cards
- 2 x RJ45, 1 x M.2 for Wi-Fi/BT, Support Wi-Fi 6/6E (CNVi)

Order Information

WA814-1340053N9G-GIA	CPU: Intel® Core™ i5-13400 processor	Chipset: B760
	RAM: 8 GB	Storage: 512 GB, M.2 SSD
WA814-1370054N9G-GIA	CPU: Intel® Core™ i7-13700 processor	Chipset: B760
	RAM: 16 GB	Storage: 512 GB, M.2 SSD
Packing List		
1 x AC Power Cable, 1 x AC Power Adapter 1 x Stand Bracket		

Dimensions and Drawing



Learn More

Giada N602

Intel® Arrow Lake AI PC

AI Computer

- Arrow Lake
- AI
- HDMI
- Thunderbolt 4
- Wi-Fi



RoHS FCC CE UKCA

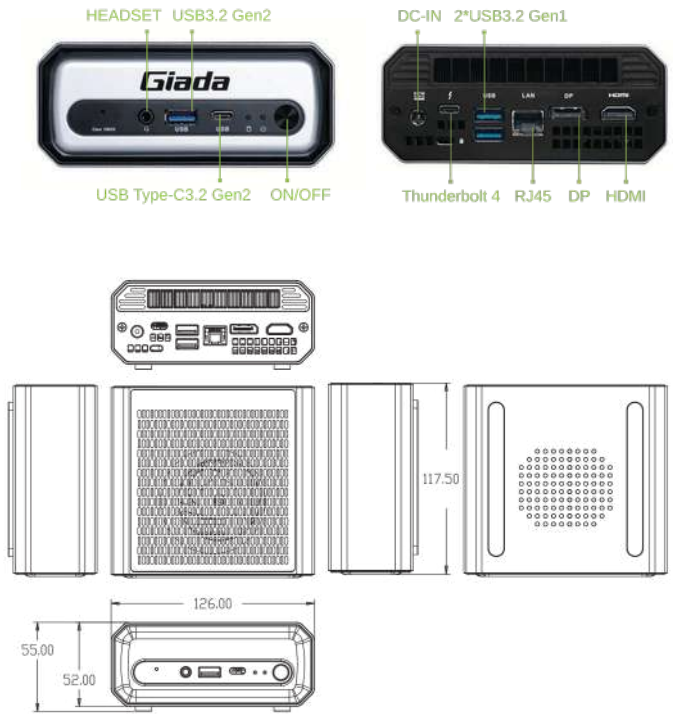
Features

- Intel® Arrow Lake Core™ Ultra Processors
- Intel® AI Boost NPU
- 1 x DP, 1 x HDMI
- Up to 96 GB, 2 x SO-DIMM DDR5
- 2 x M.2 for SSD
- 1 x RJ45, 1 x M.2 for Wi-Fi/BT, Support Wi-Fi 6, Wi-Fi 6E (CNVi), Wi-Fi 7

Order Information

N602-225H50N0G-GIA	CPU: Intel® Core™ Ultra 5 processor 225H	RAM: NA	Storage: NA
N602-255H50N0G-GIA	CPU: Intel® Core™ Ultra 7 processor 255H	RAM: NA	Storage: NA
Packing List			
1 x AC Power Cable, 1 x AC Power Adapter			

Dimensions and Drawing



Giada N601

Intel® Metoer Lake AI PC

AI Computer



RoHS

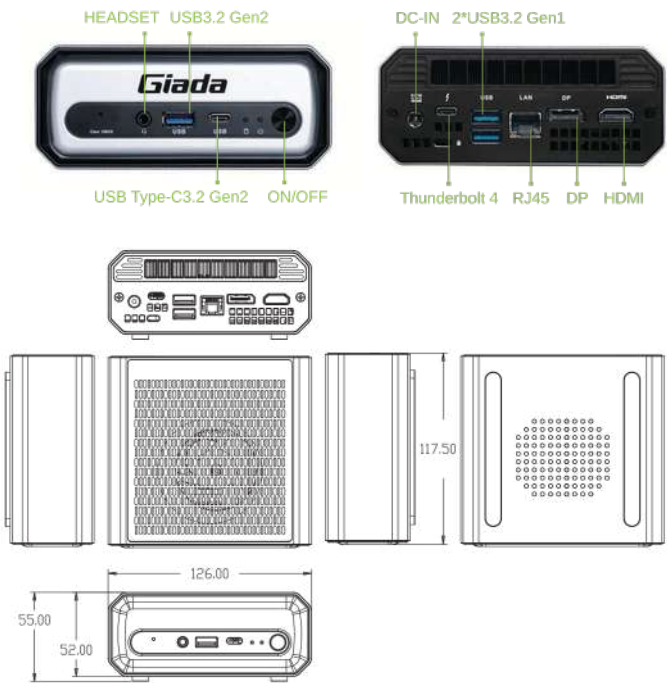
Features

- Intel® Meteor Lake Core™ Ultra processors
- Intel® AI Boost NPU
- 1 x DP, 1 x HDMI
- Up to 96 GB, 2 x SO-DIMM DDR5
- 2 x M.2 for SSD
- 1 x RJ45, 1 x M.2 for Wi-Fi/BT, Support Wi-Fi 6, Wi-Fi 6E (CNVi), Wi-Fi 7

Specifications	
CPU	Intel® Core™ Ultra 5 processor 125H Intel® Core™ Ultra 7 processor 155H
Chipset	SoC
Processing Units	14 Cores/16 Cores
TDP	28 W/28 W
NPU	Intel® AI Boost, 1.4 GHz
Frameworks Supported	OpenVINO™, WindowsML, DirectML, ONNX RT, WebGPU
System Memory	Up to 96 GB, 2 x SO-DIMM DDR5-5600 MHz
Storage	1 x M-Key M.2 (2280) PCIe5.0 X4 for SSD 1 x M-Key M.2 (2280) PCIe4.0 X4 for SSD
Network Controller	1 x Intel® i226-V Gigabit Ethernet
Ethernet Interface	1 x 2.5GbE RJ45
Wireless	1 x E-Key M.2(2230) for Wi-Fi/BT, Support Wi-Fi 6, Wi-Fi 6E (CNVi), Wi-Fi 7
GPU	Intel® Arc™ Graphics
Graphic Engine	DirectX 12.2, OpenGL 4.6, OpenCL 3.0, H.264/H.265/AV1 Hardware Encode/Decode, VP9 Bitstream&Decoding
Display Interface	1 x HDMI (Max. 4096 x 2304 @60Hz) 1 x DP (Max. 7680 x 4320 @60Hz)
USB	1 x USB Type-C3.2 Gen2, 1 x USB3.2 Gen 2, 2 x USB 3.2 Gen 1, 1 x Thunderbolt 4
Serial Port	NA
Audio	1 x 2-in-1 Headset (MIC-IN & AUDIO-OUT)
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Internal Wi-Fi Antenna
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN, 19 V/6.32 A
Dimensions (W x D x H)	126mm x 117.5mm x 52mm (5.74" x 4.94" x 2.04")
Cooling System	Smart fan, active cooling
Construction	Metal, Grey. I/O Panel, Plastic
Operating System	Windows 11 (64bit)/Linux Ubuntu (64bit)
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Order Information	
N601-125H50N0G-GIA	CPU: Intel® Core™ Ultra 5 processor 125H RAM: NA Storage: NA
N601-155H50N0G-GIA	CPU: Intel® Core™ Ultra 7 processor 155H RAM: NA Storage: NA
Packing List	1 x AC Power Cable, 1 x AC Power Adapter

Dimensions and Drawing



Learn More

Giada CB4-411

Intel® Meteor Lake Thin Mini-ITX Motherboard

AI Computer



Features

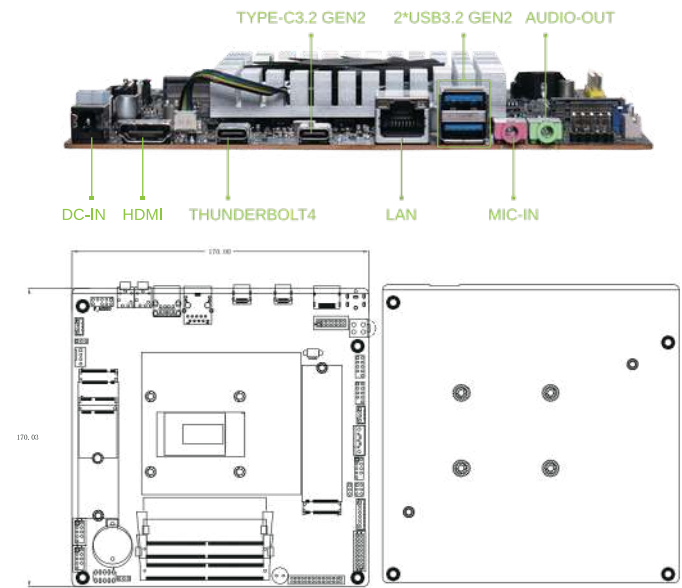
- Intel® Meteor Lake Core Ultra processors
- 1 x HDMI, 1 x DP, 1 x LVDS
- Up to 96 GB, 2 x SO-DIMM DDR5
- 2 x M.2 for SSD, 1 x 2.5" SATAIII
- 1 x RJ45, 1 x M.2 for Wi-Fi/BT, Support Wi-Fi 5, Wi-Fi 6/6E, Wi-Fi7

Specifications	
CPU	Intel® Core™ Ultra 5 processor 125H Intel® Core™ Ultra 7 processor 155H
Chipset	SoC
Processing Units	14 Cores/16 Cores
TDP	28 W/28 W
NPU	Intel® AI Boost, 1.4 GHz
Frameworks Supported	OpenVINO™, WindowsML, DirectML, ONNX RT, WebGPU
System Memory	Up to 96 GB, 2 x SO-DIMM DDR5-5600 MHz
Storage	1 x M-Key M.2 (2280) PCIe5.0 X4 for SSD 1 x M-Key M.2 (2280) PCIe4.0 X4 for SSD 1 x 2.5" SATAIII
GPU	Intel® Arc™ graphics
Graphic Engine	DirectX 12.2, OpenGL 4.6, OpenCL 3.0, H.264/H.265/AV1 Hardware Encode/Decode, VP9 Bitstream&Decoding
Network Controller	1 x Intel® i226-V Gigabit Ethernet
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT Support Wi-Fi 5, Wi-Fi 6/6E, Wi-Fi 7
Rear I/O	1 x USB Type-C3.2 Gen2, 2 x USB3.2 Gen2, 1 x Thunderbolt 4 1 x HDMI (Max. 4096 x 2160 @60 Hz) 1 x AUDIO-OUT, 1 x MIC-IN, 1 x 2.5 GbE RJ45
Internal I/O	4 x USB2.0, signal by 2 x 5pin header 2 x 15pin dual channel 24bit LVDS (Optional: 2 x 8pin J_HDMI colay with HDMI) 2 x RS232, signal by 2 x 5pin header 1 x 4pin ATX PWR_IN, 1 x 4pin SATA_PWR, 2 x 5pin FP_AUDIO, 1 x 4pin SPEAKER 1 x MIPI-CSI, 2 x 5pin F_PANEL, 1 x 3pin CLR_CMOS, 1 x 8pin INVERTER
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN, 12 V / 19 V
Dimensions(W x D)	170mm x 170mm (6.69" x 6.69")
Cooling System	Smart fan, active cooling
Operation System	Windows10 (64bit)/Windows 11 (64bit)/Linux Ubuntu (64bit)

Storage Temperature	-20°C ~ 75°C (-4°F ~ 167°F)
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 60°C (non-condensing)

Order Information	
CB4-411-125H	CPU: Intel® Core™ Ultra 5 processor 125H RAM: NA Storge: NA
CB4-411-155H	CPU: Intel® Core™ Ultra 7 processor 155H RAM: NA Storge: NA

Dimensions and Drawing



Giada D77

ARM Player with Quad-HDMI Outputs

ARM Player



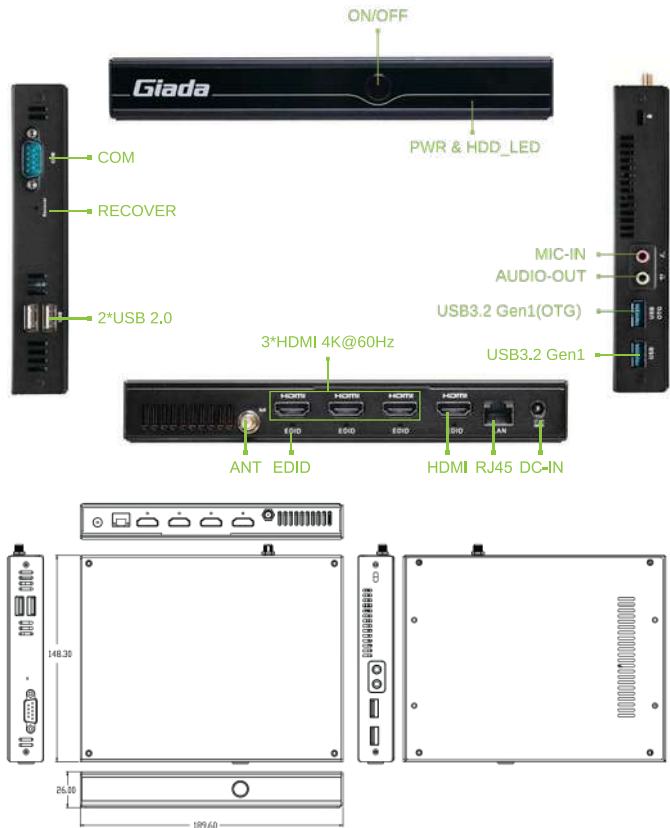
Specifications	
CPU	Rockchip® RK3588 processor
Processing Units	4 Cores Cortex-A76 & 4 Cores Cortex-A55
NPU	6 TOPS, support int4/int8/int16/FP16/BF16/TF32 acceleration
TDP	15 W
System Memory	8 GB, Onboard LPDDR4x-4266 MHz, 2 Channels (Optional: 16 GB)
Storage	128 GB, Onboard eMMC 1 x M-key M.2 (2280) PCIe3.0 X4 for SSD
Network Controller	1 x Realtek RTL 8211E Gigabit Ethernet
Ethernet Interface	1 x RJ45
Wireless	1 x E-key M.2 (2230) for Wi-Fi/BT, Supporting Wi-Fi 5/6 1 x B-key M.2 (3042) for 3G/4G, 1 x SIM Slot
GPU	ARM Mali-G610 MC4 GPU
Graphic Engine	OpenGL ES 1.1/2.0/3.2, OpenCL 1.1/1.2/2.0,Vulkan 1.1/1.2
Multi-media	H.265/H.264/AV1/AVS2 etc. video decoder, up to 8K@60fps 8K@30fps video encoders for H.264/H.265
Display Interface	3 x HDMI (Max. 3840 x 2160 @60Hz) 1 x HDMI (Max. 1920 x 1080 @60Hz)
USB	1 x USB3.2 Gen1 (OTG), 1 x USB3.2 Gen1, 2 x USB2.0
Serial Port	1 x RS232
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x Recovery
Antenna	1 x Connector for Wi-Fi/BT
Watchdog Timer	Yes
JAHC	Auto Power On, RTC
Power Requirement	DC-IN, 12 V/2.08 A
Dimensions (W x D x H)	189.6mm x 148.3mm x 26mm (7.46" x 5.83" x 1.02")
Cooling System	Smart fan, active cooling
Construction	Metal, Black
Operating System	Android 12/Android 15
Operating Temperature	0°C ~ 45 °C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Features

- Rockchip® RK3588 Processor
- 4 x HDMI with EDID emulation
- 8 GB, Onboard LPDDR4x, 2 Channels
- 128 GB, Onboard eMMC, 1 x M.2 for SSD
- 1 x RJ45, 1 x M.2 for Wi-Fi, 1 x M.2 for 3G/4G

Order Information	
D77-358843N7G-GIA	CPU: Rockchip® RK3588 processor RAM: 8 GB Storage: 128 GB
Packing List	1 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
VESA Mounting	VESA Mounting Kit (JZ183)

Dimensions and Drawing



Giada DN84

ARM Player with Dual HDMI Outputs

ARM Player



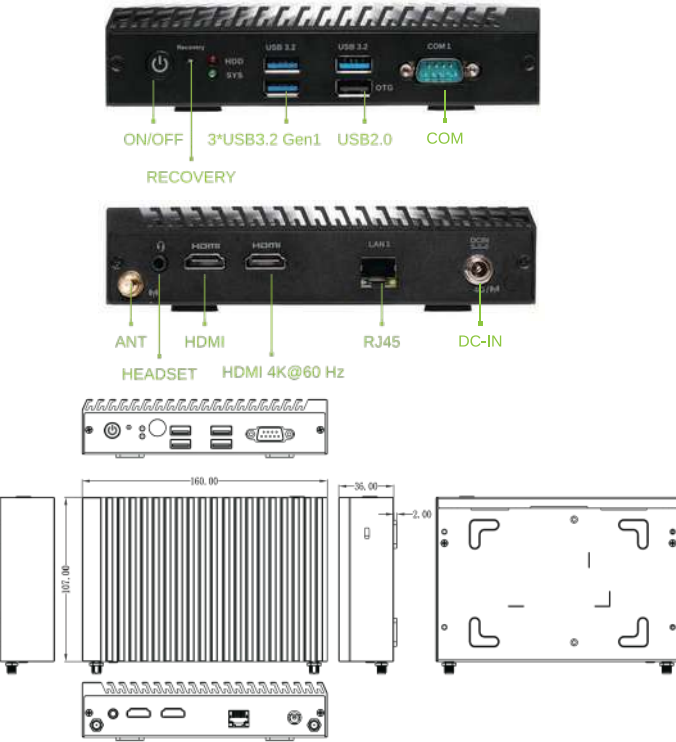
Specifications	
CPU	Rockchip® RK3576 processor
Processing Units	4 Cores Cortex-A72 & 4 Cores Cortex-A53
NPU	6.0 TOPS RKNN, support int4/int8/int16/FP16/BF16/TF32 acceleration
TDP	6 W
System Memory	4 GB, Onboard LPDDR4, 2 Channels (Optional: 8 GB)
Storage	64 GB, Onboard eMMC Optional: 1 x M-Key M.2(2242) PCIe2.1 X1 for SSD
Network Controller	1 x Realtek RTL 8211F Gigabit Ethernet
Ethernet Interface	1 x RJ45 (Optional: 2)
Wireless	Onboard Wi-Fi 5/BT5.4 module 1 x E-Key M.2(3042) for 3G/4G, 1 x SIM Slot
GPU	ARM Mali-G52 MC3
Multi-Media	8K30 H.264/H.265/VP9/AV2/AVS2 Decoder 4K60 H.264/H.265 Encoder
Display Interface	1 x HDMI (Max. 3840 x 2160 @60 Hz) 1 x HDMI (Max. 2560 x 1600 @60 Hz)
USB	3 x USB3.2 Gen1, 1 x USB2.0 OTG
Serial Port	1 x RS232 (Optional: additional 2 x RS485)
Audio	1 x 2-in-1 Headset (MIC-IN & AUDIO-OUT)
Button	1 x Power on, 1 x Recovery
Antenna	1 x Connector for Wi-Fi/BT 1 x Connector for 3G/4G (Reserved)
Watchdog Timer	Yes
JAHC	Auto Power On, RTC
Power Requirement	Lockable DC-IN, 12 V/3 A
Dimensions (W x D x H)	160mm x 107mm x 36mm (6.29" x 4.21" x 1.41")
Cooling System	Fanless, passive cooling
Construction	Metal, Black
Operating System	Android 14/Debian 12
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Features

- Rockchip® RK3576 processor
- 2 x HDMI
- Up to 8 GB, Onboard LPDDR4/LPDDR4x, 2 Channels
- 64 GB, Onboard eMMC
- 1 x RJ45, Onboard Wi-Fi/BT Module,
1 x M.2 for 3G/4G, 1 x SIM slot

Order Information	
DN84-3576R42E6G-GIA	CPU: Rockchip® RK3576 processor RAM: 4 GB Storage: 64 GB Wi-Fi/BT: Onboard Wi-Fi/BT module
DN84-3576R43E6G-GIA	CPU: Rockchip® RK3576 processor RAM: 8 GB Storage: 64 GB Wi-Fi/BT: Onboard Wi-Fi/BT module
Packing List	1 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
VESA Mounting	VESA Mounting Kit (JC502)/Wall-mounting Kit (JC283)

Dimensions and Drawing



Learn More

Giada DN84-A

ARM Player with Dual HDMI Outputs and HDMI Input

ARM Player



RoHS

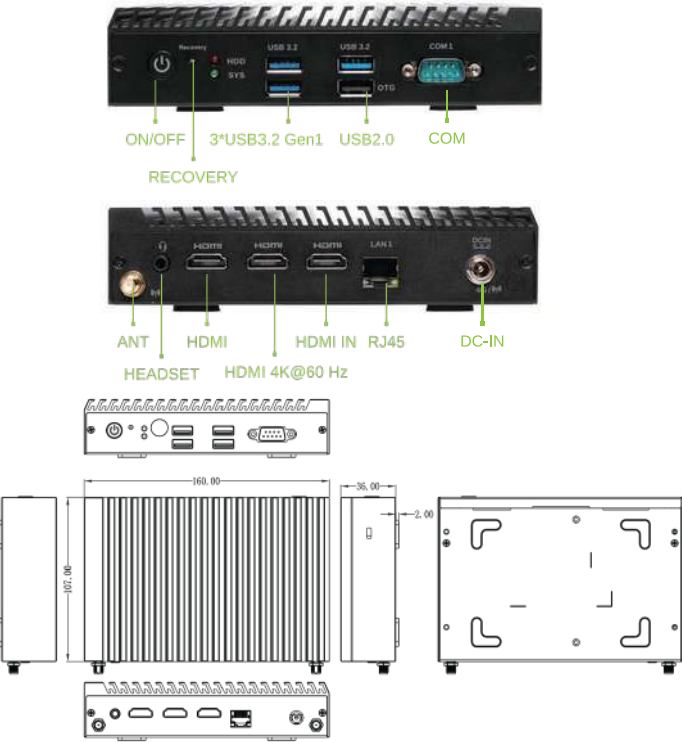
Specifications	
CPU	Rockchip® RK3576 processor
Processing Units	4 Cores Cortex-A72 & 4 Cores Cortex-A53
NPU	6.0 TOPS RKNN, support int4/int8/int16/FP16/BF16/TF32 acceleration
TDP	6 W
System Memory	4 GB, Onboard LPDDR4, 2 Channels (Optional: 8 GB)
Storage	64 GB, Onboard eMMC Optional: 1 x M-Key M.2(2242) PCIe2.1 X1 for SSD
Network Controller	1 x Realtek RTL 8211F Gigabit Ethernet
Ethernet Interface	1 x RJ45 (Optional: 2)
Wireless	Onboard Wi-Fi 5/BT5.4 module 1 x E-Key M.2(3042) for 3G/4G, 1 x SIM Slot
GPU	ARM Mali-G52 MC3
Multi-Media	8K30 H.264/H.265/VP9/AV2/AVS2 Decoder 4K60 H.264/H.265 Encoder
Display Interface	1 x HDMI (Max. 3840 x 2160 @60 Hz) 1 x HDMI (Max. 2560 x 1600 @60 Hz) 1 x HDMI-IN (Max. 3840 x 2160 @60 Hz)
USB	3 x USB3.2 Gen1, 1 x USB2.0 OTG
Serial Port	1 x RS232 (Optional: additional 2 x RS485)
Audio	1 x 2-in-1 Headset (MIC-IN & AUDIO-OUT)
Button	1 x Power on, 1 x Recovery
Antenna	1 x Connector for Wi-Fi/BT 1 x Connector for 3G/4G (Reserved)
Watchdog Timer	Yes
JAHC	Auto Power On, RTC
Power Requirement	Lockable DC-IN, 12 V/3 A
Dimensions (W x D x H)	160mm x 107mm x 36mm (6.29" x 4.21" x 1.41")
Cooling System	Fanless, passive cooling
Construction	Metal, Black
Operating System	Android 14/Debian 12
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Features

- Rockchip® RK3576 processor
- 2 x HDMI, 1 x HDMI-IN
- Up to 8 GB, Onboard LPDDR4/LPDDR4x, 2 Channels
- 64 GB, Onboard eMMC
- 1 x RJ45, Onboard Wi-Fi/BT Module, 1 x M.2 for 3G/4G, 1 x SIM slot

Order Information	
DN84-A-3576R42E6G-GIA	CPU: Rockchip® RK3576 processor RAM: 4 GB Storage: 64 GB Wi-Fi/BT: Onboard Wi-Fi/BT module
DN84-A-3576R43E6G-GIA	CPU: Rockchip® RK3576 processor RAM: 8 GB Storage: 64 GB Wi-Fi/BT: Onboard Wi-Fi/BT module
Packing List	1 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
VESA Mounting	VESA Mounting Kit (JC502)/Wall-mounting Kit (JC283)

Dimensions and Drawing



Giada DN74

ARM Player with Dual HDMI Outputs

ARM Player



RoHS

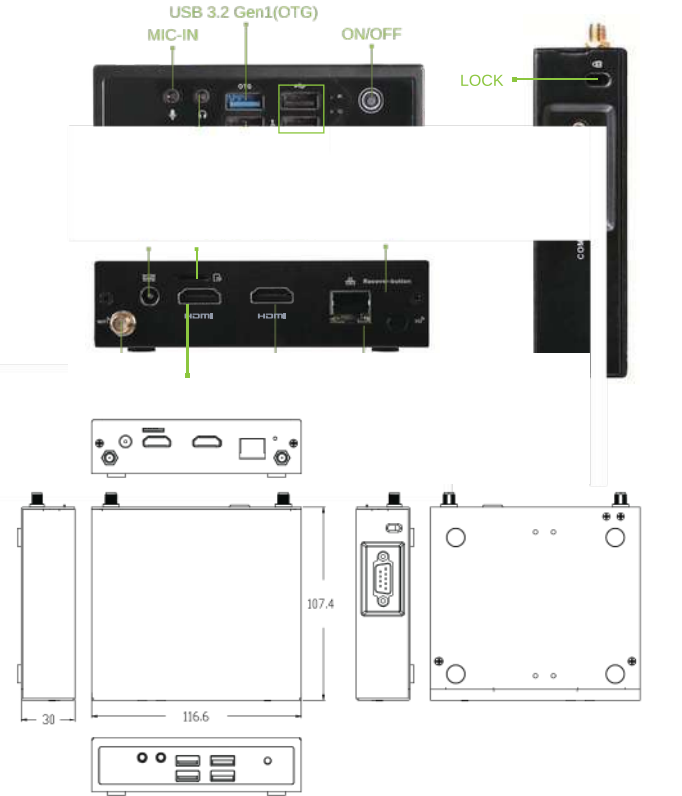
Specifications	
CPU	Rockchip® RK3399 processor
Processing Units	2 Cores Cortex-A72 & 4 Cores Cortex-A53
TDP	6 W
System Memory	4 GB, Onboard LPDDR4-2133 MHz, 2 Channels
Storage	32 GB, Onboard eMMC (Optional: 64 GB) 1 x TF Card reader
Network Controller	1 x Pef7071 PHY
Ethernet Interface	1 x RJ45
Wireless	Onboard Wi-Fi/BT module (2.4GHz/5GHz) 1 x Full-size Mini-PCIe for 3G/4G, 1 x SIM Slot
GPU	Mali-T860MP4
Graphic Engine	OpenGL ES1.1/2.0/3.0/3.1, OpenCL, Support AFBC (ARM Frame Buffer Compression)
Multi-Media	4K VP9 decoders, 4K 10bits H.265/H.264 video decoders 1080P VC-1, MPEG-1/2/4, VP8 video decoders
Display Interface	1 x HDMI (Max. 3840 x 2160 @60 Hz) 1 x HDMI (Max. 1920 x 1080 @60 Hz)
USB	1 x USB3.2 Gen1 (OTG), 3 x USB2.0
Serial Port	1 x RS232
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x Recovery
Antenna	1 x Connector for Wi-Fi/BT 1 x Connector for 3G/4G (Reserved)
Watchdog Timer	Yes
JAHC	Auto Power On, RTC
Power Requirement	DC-IN, 12 V/2.08 A
Dimensions (W x D x H)	116.6mm x 107.4mm x 30mm (4.59" x 4.23" x 1.18")
Cooling System	Fanless, passive cooling
Construction	Metal, Black
Operating System	Android 11/Android 14
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Features

- Rockchip® RK3399 processor
- 2 x HDMI
- 4 GB, Onboard LPDDR4, 2 Channels
- 32 GB, Onboard eMMC, 1 x TF Card Reader
- 1 x RJ45, Onboard Wi-Fi/BT Module, 1 x Mini-PCIe for 3G/4G

Order Information	
DN74-3399R42E5G-GIA	CPU: Rockchip® RK3399 processor RAM: 4 GB Storage: 32 GB Wi-Fi/BT: Onboard Wi-Fi/BT module
Packing List	1 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
VESA Mounting	VESA Mounting Kit (JC502)

Dimensions and Drawing



Giada DN73

ARM Player with Fanless Design

ARM Player



RoHS FCC CE UKCA

Specifications	
CPU	Rockchip® RK3328 processor
Processing Units	4 Cores Cortex-A53
TDP	6 W
System Memory	2 GB, Onboard DDR4-2133 MHz, 2 Channels
Storage	32 GB, Onboard eMMC (Optional: 64 GB) 1 x TF Card reader
Network Controller	1 x Realtek RTL 8211E Gigabit Ethernet
Ethernet Interface	1 x RJ45
Wireless	Onboard Wi-Fi/BT module (2.4GHz/5GHz) 1 x Full-size Mini-PCle for 3G/4G, 1 x SIM Slot
GPU	Mali-450MP2
Graphic Engine	OpenGL ES1.1/2.0
Multi-Media	4K VP9 decoders, 4K 10bits H.265 decoders 1080P VC-1, MPEG-1/2/4, VP8 video decoders Support HDR10, HLG HDR
Display Interface	1 x HDMI (Max.3840 x 2160 @60 Hz)
USB	1 x USB3.2 Gen1, 1 x USB2.0 OTG, 2 x USB2.0
Serial Port	1 x RS232
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x Recovery
Antenna	1 x Connector for Wi-Fi/BT 1 x Connector for 3G/4G (Reserved)
Watchdog Timer	Yes
JAHC	Auto Power On, RTC
Power Requirement	DC-IN, 12 V/2.08 A
Dimensions (W x D x H)	116mm x 107.4mm x 30mm (4.59" x 4.17" x 1.18")
Cooling System	Fanless, passive cooling
Construction	Metal, Black
Operating System	Android 7.1/Android 10/Android 12
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

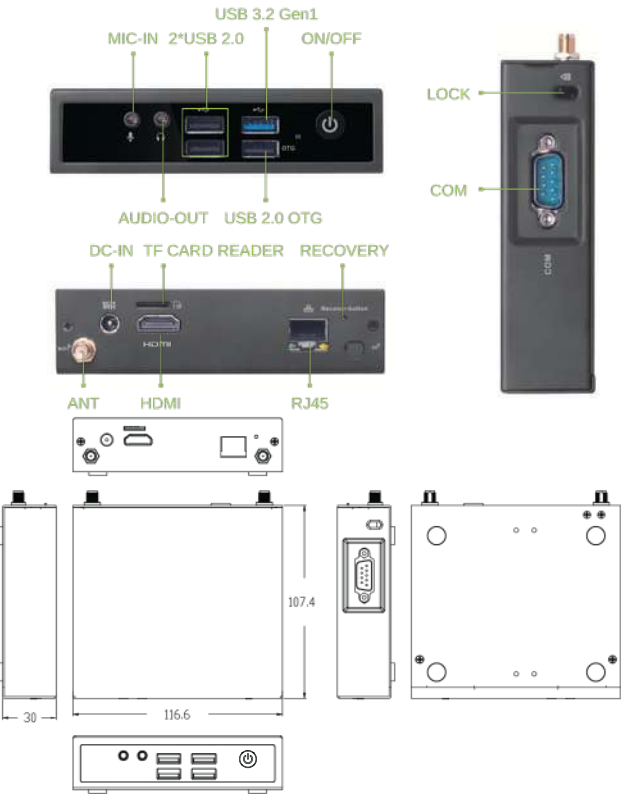
Features

- Rockchip® RK3328 Processor
- 1 x HDMI
- 2 GB, Onboard DDR4, 2 Channels
- 32 GB, Onboard eMMC, 1 x TF Card Reader
- 1 x RJ45, Onboard Wi-Fi/BT Module
- 1 x Mini-PCle for 3G/4G

Order Information

DN73-N3-3328R41E4-GIA	CPU: Rockchip® RK3328 processor
	RAM: 2GB
	Storage: 32 GB
Packing List	Wi-Fi/BT: Onboard Wi-Fi/BT module
	1 x Wi-Fi Antenna, 1 x AC Power Cable,
	1 x AC Power Adapter
VESA Mounting	VESA Mounting Kit (JC502)

Dimensions and Drawing



Giada DN25/24

ARM Player with Dual HDMI Outputs

ARM Player



RoHS FCC CE UKCA

Specifications	
Compute Module	DN25: Raspberry Pi CM5 lite Module DN24: Raspberry Pi CM4 lite Module
Processing Units	4 Cores Cortex-A76
Memory on Module	DN25: 4 GB, Onboard LPDDR4-4267 MHz, 2 Channels (Optional: 2 GB) DN24: 2 GB, Onboard LPDDR4-3200 MHz, 2 Channels (Optional: 4 GB)
Storage	32 GB, Onboard eMMC (Optional: 64 GB)
Network Controller	BROADCOM BCM54210 Gigabit Ethernet
Ethernet Interface	1 x RJ45
Wireless	Onboard Wi-Fi/BT module (2.4GHz/5GHz)
GPU	DN25: Video Core VII DN24: Video Core VI
Graphic Engine	DN25: OpenGL ES3.1, Vulkan 1.3 DN24: OpenGL ES3.0, Vulkan 1.0
Multi-Media	4K60 H.265 video decoders, 1080p60 H.264 decoders 1080p30 H.264 video encoders
Display Interface	2 x HDMI (Max. 3840 x 2160 @60 Hz)
USB	3 x USB3.2 Gen1, 1 x USB2.0
Serial Port	1 x RS232
Audio	1 x 2-IN-1 headset (MIC-IN & AUDIO-OUT)
Button	1 x Power on, 1 x Recovery
Antenna	1 x Connector for Wi-Fi/BT
Watchdog Timer	Yes
JAHC	Auto Power On, RTC
Power Requirement	DC-IN, 12 V/2.08 A
Dimensions (W x D x H)	116.6mm x 107.4mm x 30mm (4.59" x 4.23" x 1.18")
Cooling System	Fanless, passive cooling
Construction	Metal, Gray
Operating System	Raspberry Pi OS
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

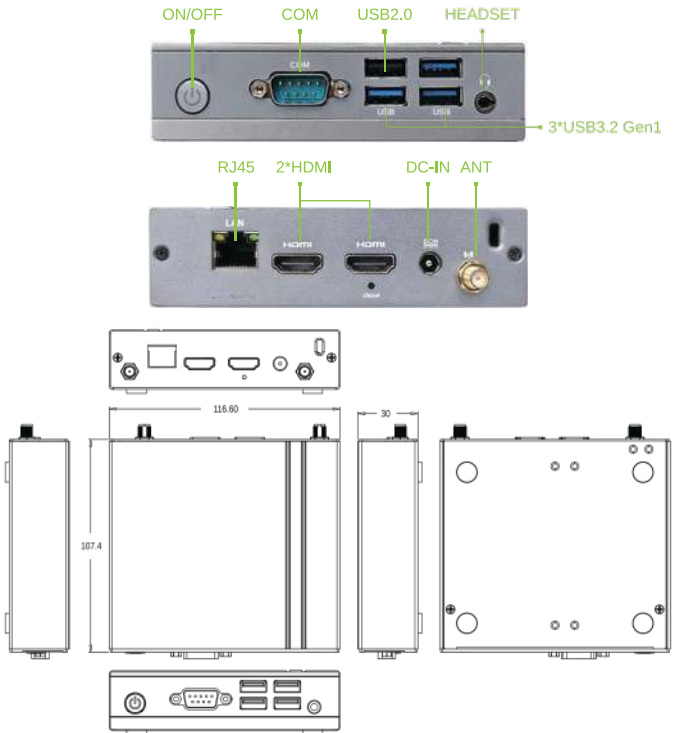
Features

- Raspberry Pi Module
- 2 x HDMI
- 4 GB / 2GB, Onboard LPDDR4, 2 Channels
- 32 GB, Onboard eMMC
- 1 x RJ45, Onboard Wi-Fi/BT Module

Order Information

DN25-CM5R42E5G-GIA	Compute module: Raspberry Pi CM5 lite
	RAM: 4 GB Storage: 32 GB
	Wi-Fi/BT: Onboard Wi-Fi/BT module
DN24-CM4R42E5G-GIA	Compute module: Raspberry Pi CM4 lite
	RAM: 2 GB Storage: 32 GB
	Wi-Fi/BT: Onboard Wi-Fi/BT module
Packing List	1 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
VESA Mounting	VESA Mounting Kit (JC502)

Dimensions and Drawing



Learn More

Giada VM27

Elkhart Lake Fanless Computer

Entry-level Player



RoHS FCC CE UKCA

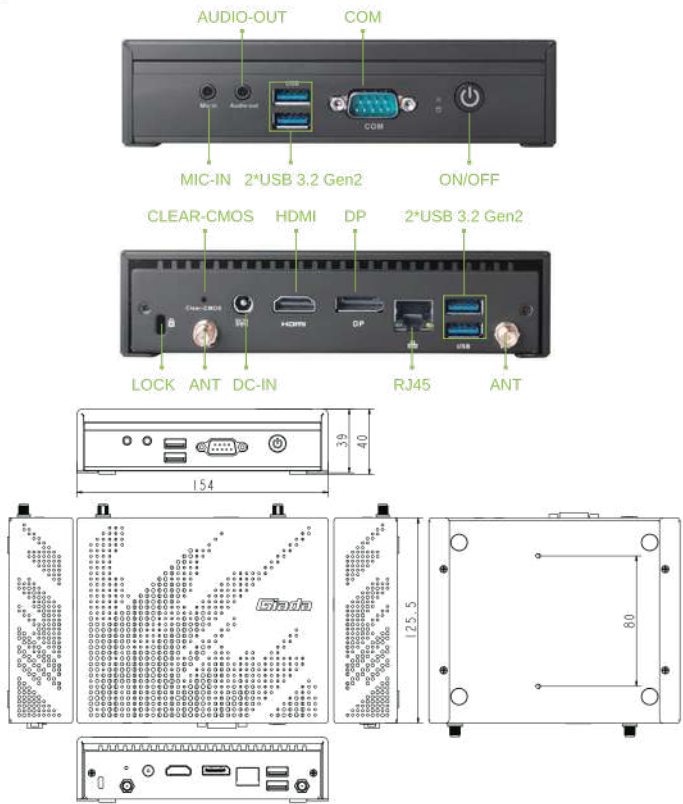
Specifications	
CPU	Intel® Celeron® N6210 processor Intel® Pentium® N6415 processor
Chipset	SoC
Processing Units	2 Cores/4 Cores
TDP	6.5 W/6.5 W
System Memory	4 GB, Onboard LPDDR4-2666 MHz, 2 Channels (Optional: 8 GB)
Storage	64 GB, Onboard eMMC (Optional: 32 GB) 1 x Full-size Mini-PCIe for MSATA
Network Controller	1 x Realtek RTL 8111H Gigabit Ethernet
Ethernet Interface	1 x RJ45
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT Support Wi-Fi 5/6
GPU	Intel® UHD Graphics
Graphic Engine	DirectX 12.1, OpenGL 3.0, OpenCL 1.1 Intel® Quick Sync Video
Display Interface	1 x DP (Max.4096 x 2160 @60 Hz) 1 x HDMI (Max.4096 x 2160 @60 Hz)
USB	4 x USB3.2 Gen2
Serial Port	1 x RS232
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT
TPM	NA
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN, 19 V/2.37 A
Dimensions (W x D x H)	154mm x 125.5mm x 40mm (6.06" x 4.94" x 1.57")
Cooling System	Fanless, passive cooling
Construction	Metal, Black
Operating System	Windows 10 (64bit)/Windows 11 (64bit) Linux Ubuntu (64bit)/Chrome OS Flex
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Features

- Intel® Elkhart Lake Processors
- 1 x DP, 1 x HDMI
- 4 GB, Onboard LPDDR4, 2 Channels
- 64 GB, Onboard eMMC
- 1 x Full-size MSATA
- 1 x RJ45, 1 x M.2 for Wi-Fi/BT

Order Information	
VM27-N621042E6G-GIA	CPU: Intel® Celeron® N6210 processor RAM: 4 GB Storage: 64 GB
VM27-N641542E6G-GIA	CPU: Intel® Pentium® N6415 processor RAM: 4 GB Storage: 64 GB
Packing List	2 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
Optional Item	VESA Mounting Kit (JC502)

Dimensions and Drawing



Giada VM23

Apollo Lake Ultra-compact Fanless Computer

Entry-level Player



RoHS FCC CE UKCA

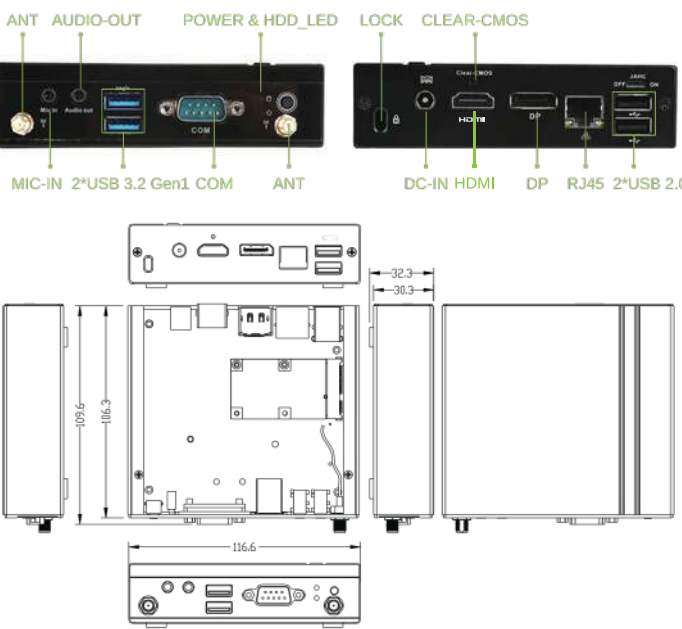
Specifications	
CPU	Intel® Celeron® N3350 processor
Chipset	SoC
Processing Units	2 Cores
TDP	6 W
System Memory	4 GB, Onboard LPDDR4-2133 MHz, 2 Channels (Optional: 2 GB)
Storage	64 GB, Onboard eMMC (Optional: 32 GB) 1 x Full-size Mini-PCIe for MSATA
Network Controller	1 x Realtek RTL 8111H Gigabit Ethernet
Ethernet Interface	1 x RJ45
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT
GPU	Intel® HD Graphics 500
Graphic Engine	DirectX 12, OpenGL 4.3, OpenCL 2.0
Display Interface	1 x DP (Max.4096 x 2304 @60 Hz) 1 x HDMI (Max.3840 x 2160 @30 Hz)
USB	2 x USB3.2 Gen1, 2 x USB2.0
Serial Port	1 x RS232
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT
TPM	NA
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN, 12 V/2.08 A
Dimensions (W x D x H)	116.6mm x 107.4mm x 30mm (4.59" x 4.23" x 1.18")
Cooling System	Fanless, passive cooling
Construction	Metal, Black
Operating System	Windows 10 (64bit)/Linux Ubuntu (64bit)
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 40°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Features

- Intel® Apollo Lake Processors
- 1 x DP, 1 x HDMI
- 4 GB, Onboard LPDDR4, 2 Channels
- 64 GB, Onboard eMMC, 1 x Full-size MSATA
- 1 x RJ45, 1 x M.2 for Wi-Fi/BT

Order Information	
VM23-F4-N335032E5G-GIA	CPU: Intel® Celeron® N3350 processor RAM: 4 GB Storage: 64 GB
Packing List	2 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
Optional Item	VESA Mounting Kit (JC502)

Dimensions and Drawing



Learn More

Giada DM6-R

AMD Ryzen Book-Size Computer

Middle-range Player



RoHS

Features

- AMD® Ryzen™ R2000 Series Processors
- 4 x HDMI
- Up to 32 GB, 2 x SO-DIMM DDR4
- 1 x M.2 for SSD
- 1 x RJ45, 1 x M.2 for Wi-Fi/BT, 1 x M.2 for 3G/4G

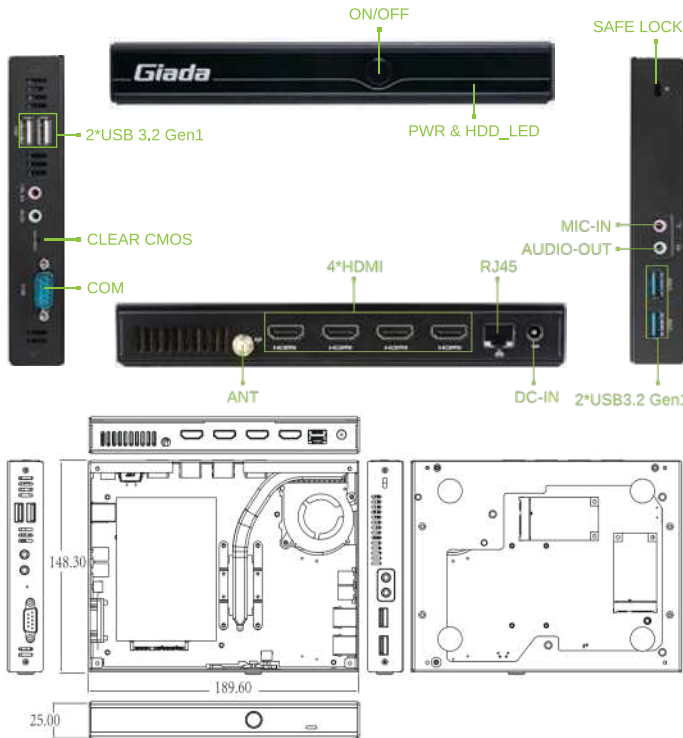
Specifications

CPU	AMD® Ryzen™ Embedded 2314
Chipset	SoC
Processing Units	4 Cores
TDP	25 W
System Memory	Up to 32 GB, 2 x SO-DIMM DDR4-2666 MHz
Storage	1 x M-Key M.2(2280) PCIe3.0 X4 for SSD
Network Controller	1 x Realtek RTL8111H Gigabit Ethernet
Ethernet Interface	1 x RJ45
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT 1 x B-Key M.2 (3042) for 3G/4G, 1 x SIM Slot
GPU	AMD® Radeon™ RX Vega 6 Graphics
Graphic Engine	Direct3D 2015, OpenGL 4.5, OpenCL 2.1
Display Interface	4 x HDMI (Max. 3840 x 2160 @60 Hz)
USB	2 x USB3.2 Gen1, 2 x USB2.0
Serial Port	1 x RS232
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	1 x Connector for Wi-Fi/BT
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN, 19 V/3.42 A
Dimensions (W x D x H)	189.6mm x 148.3mm x 26mm (7.46" x 5.83" x 1.02")
Cooling System	Smart fan, active cooling
Construction	Metal, Black
Operating System	Windows 10 (64bit)/Windows 11 (64bit)/ Linux Ubuntu (64bit)
Operating Temperature	0°C ~ 45°C (32°F ~ 114°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Order Information

DM6-R231440M0G-GIA	CPU: AMD® Ryzen™ Embedded R2314 RAM: NA Storge: NA
Packing List	1 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
VESA Mounting	VESA Mounting Kit (JZ183)

Dimensions and Drawing



Giada F108D

Alder Lake-N Book-size Computer

Middle-range Player



RoHS

Features

- Intel® Alder Lake-N processors
- 1 x DP, 2 x HDMI
- Up to 16 GB, 1 x SO-DIMM DDR4
- 1 x M.2 for SSD
- 2 x RJ45, 1 x M.2 for Wi-Fi/BT, 1 x M.2 for 3G/4G

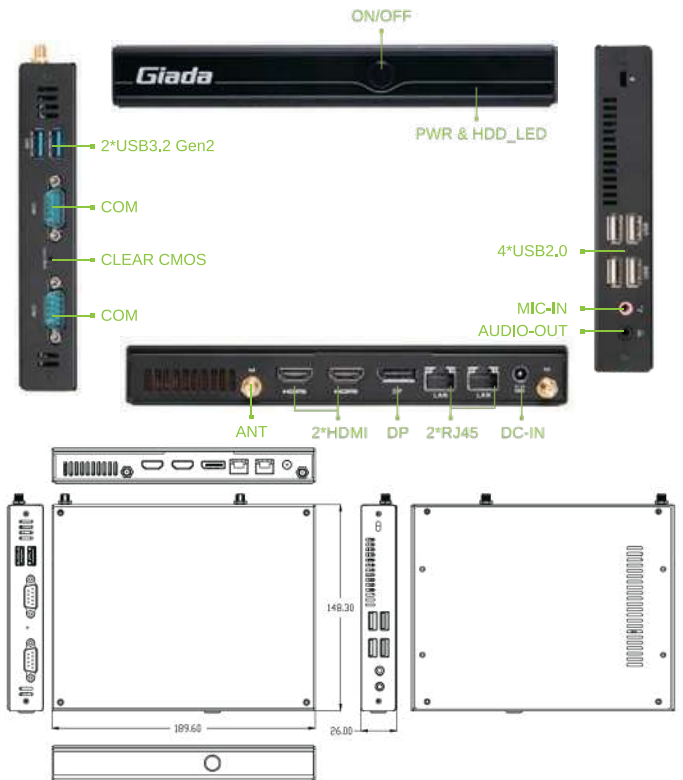
Specifications

CPU	Intel® Processor N100 (Fanless) Intel® Processor N97
Chipset	SoC
Processing Units	4 Cores/4 Cores
TDP	6 W/12 W
System Memory	Up to 16 GB, 1 x SO-DIMM DDR4-3200 MHz
Storage	1 x M-Key M.2 (2280) PCIe3.0 X4 for SSD (Optional: 32 GB/64 GB, Onboard eMMC)
Network Controller	2 x Realtek RTL 8111H Gigabit Ethernet
Ethernet Interface	2 x RJ45 (Optional: 1 x RJ45)
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT, Support Wi-Fi 5/6 1 x B-Key M.2 (3042) for 3G/4G 1 x SIM Slot
GPU	Intel® UHD Graphics
Graphic Engine	DirectX 12.1, OpenGL 4.6, OpenCL 3.0
Display Interface	1 x DP (Max. 4096 x 2160 @60Hz) 2 x HDMI (Max. 4096 x 2160 @60Hz)
USB	2 x USB3.2 Gen2, 4 x USB2.0
Serial Port	2 x RS232
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN, 19 V/2.37 A
Dimensions (W x D x H)	189.6mm x 148.3mm x 26mm (7.46" x 5.83" x 1.02")
Cooling System	Fanless, passive cooling/Smart fan, active cooling
Construction	Metal, Black
Operating System	Windows 10 (64bit)/Windows 11 (64bit)/ Linux Ubuntu (64bit)
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Order Information

F108D-FV-N10040N0G-GIA	CPU: Intel® Processor N100 (Fanless) RAM: NA Storge: NA
F108D-NU-N9740N0G-GIA	CPU: Intel® Processor N97 RAM: NA Storge: NA
Packing List	2 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
Optional Item	VESA Mounting Kit (JZ183)

Dimensions and Drawing



Giada F106D

Jasper Lake Book-size Computer

Middle-range Player



RoHS FCC CE UKCA

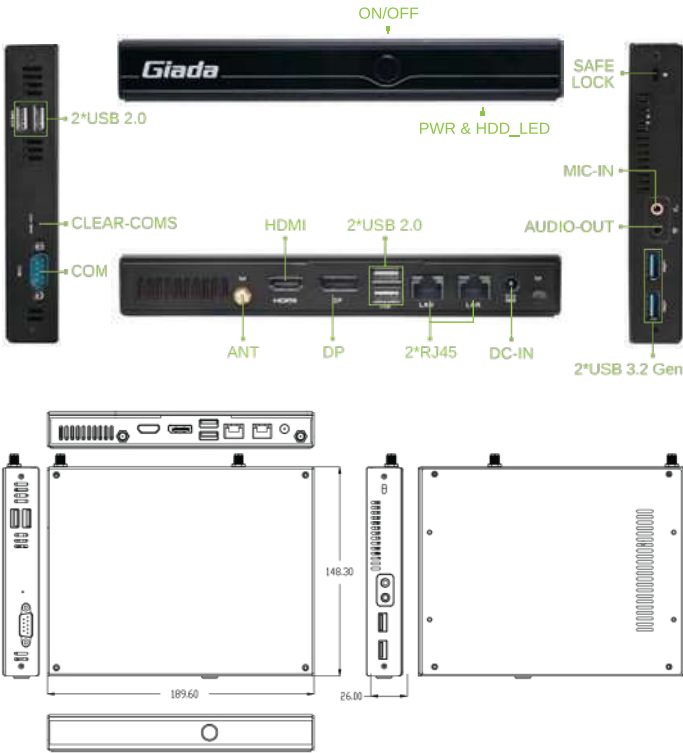
Specifications	
CPU	Intel® Celeron® N5100 processor (Fanless) Intel® Celeron® N5095 processor
Chipset	SoC
Processing Units	4 Cores/4 Cores
TDP	6 W/15 W
System Memory	4 GB, Onboard LPDDR4-2666MHz, 2 Channels (Optional: 8 GB)
Storage	1 x M-key M.2 (2242/2280) PCIe3.0 X4 for SSD 1 x Full-size Mini-PCIe for MSATA (Optional: 32 GB/64 GB, Onboard eMMC)
Network Controller	2 x Realtek RTL 8111H Gigabit Ethernet
Ethernet Interface	2 x RJ45 (Optional: 1 x RJ45)
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT, Support Wi-Fi 5, Wi-Fi 6 (CNVi), 3G/4G colay with MSATA, 1 x SIM Slot
GPU	Intel® UHD Graphics
Graphic Engine	DirectX 12.1, OpenGL 3.0, OpenCL 1.1, OpenGL ES 2.0, H.264, MPEG2
Display Interface	1 x DP (Max. 4096 x 2160 @60 Hz) 1 x HDMI (Max. 4096 x 2160 @60 Hz)
USB	2 x USB3.2 Gen2, 4 x USB2.0
Serial Port	1 x RS232
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	1 x Connector for Wi-Fi/BT 1 x Connector for 3G/4G (Reserved)
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN, 19 V/2.37 A
Dimensions (W x D x H)	189.6mm x 148.3mm x 26mm (7.46" x 5.83" x 1.02")
Cooling System	Fanless, passive cooling/Smart fan, active cooling
Construction	Metal, Black
Operating System	Windows 10 (64bit)/Windows 11 (64bit) Linux Ubuntu (64bit)/ChromeOS Flex
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Features

- Intel® Jasper Lake Processors
- 1 x DP, 1 x HDMI
- 4 GB, Onboard LPDDR4, 2 Channels
- 1 x M.2 for SSD, 1 x Full-size MSATA, Optional: Onboard eMMC
- 2 x RJ45, 1 x M.2 for Wi-Fi/BT, 3G/4G colay with MSATA

Order Information	
F106D-FV-N510042N0G-GIA	CPU: Intel® Celeron® N5100 processor Memory: 4GB Storage: NA
F106D-NU-N509542N0G-GIA	CPU: Intel® Celeron® N5095 processor Memory: 4GB Storage: NA
Packing List	1 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
Optional Item	VESA Mounting Kit (JZ183)

Dimensions and Drawing



Giada DK310

Elkhart Lake Ultra-compact Computer

Middle-range Player



RoHS FCC CE UKCA

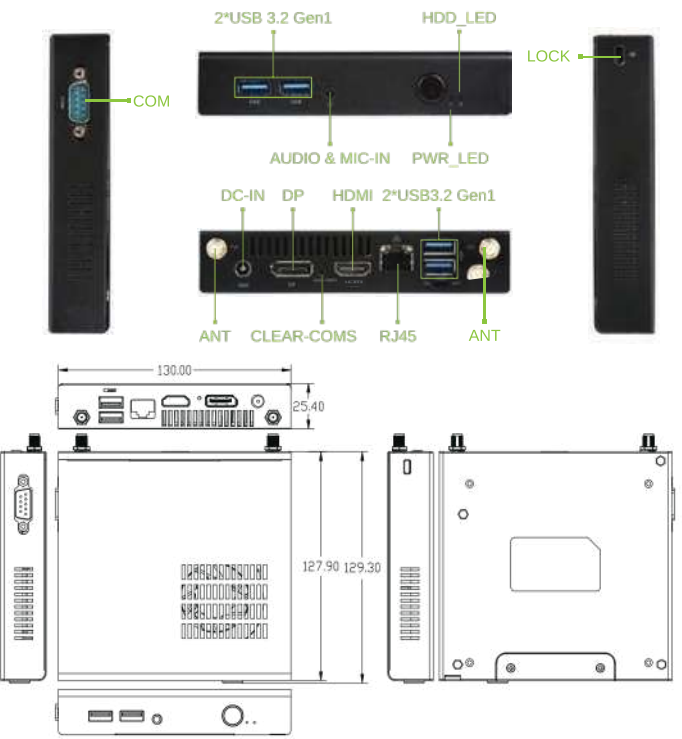
Specifications	
CPU	Intel® Celeron® J6412 processor Intel® Pentium® J6426 processor
Chipset	SoC
Processing Units	4 Cores /4 Cores
TDP	10 W/10 W
System Memory	4 GB, Onboard LPDDR4-2666 MHz, 2 Channels (Optional: 8 GB)
Storage	1 x Full-size Mini-PCIe for MSATA (Optional: Onboard eMMC)
Network Controller	1 x Realtek RTL 8111H Gigabit Ethernet
Ethernet Interface	1 x RJ45
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT, Support Wi-Fi 5/6
GPU	Intel® UHD Graphics
Graphic Engine	DirectX, OpenGL, OpenCL, Intel® Quick Sync Video
Display Interface	1 x DP (Max. 4096 x 2160 @60 Hz) 1 x HDMI (Max. 4096 x 2160 @60 Hz)
USB	4 x USB3.2 Gen2
Serial Port	1 x RS232
Audio	1 x 2-IN-1 headset (MIC-IN & AUDIO-OUT)
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN, 19 V/2.37 A
Dimensions (W x D x H)	130mm x 129.3mm x 25.4mm (5.12" x 5.09" x 1")
Cooling System	Smart fan, active cooling
Construction	Metal, Black
Operating System	Windows 10 (64bit)/Windows 11 (64bit) Linux Ubuntu (64bit)
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Features

- Intel® Elkhart Lake Processors
- 1 x HDMI, 1 x DP
- 4 GB, Onboard LPDDR4
- 1 x Full-size MSATA, Optional: Onboard eMMC
- 1 x RJ45, 1 x M.2 for Wi-Fi/BT

Order Information	
DK310-J641242M0G-GIA	CPU: Intel® Celeron® J6412 processor RAM: 4 GB Storage: NA
DK310-J642642M0G-GIA	CPU: Intel® Pentium® J6426 processor RAM: 4 GB Storage: NA
Packing List	2 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
Optional Item	VESA Mounting Kit (JC501)

Dimensions and Drawing



Giada D108

AMD Ryzen Book-size Computer

High-performance Player



Features

- AMD® Ryzen™ 8000 Series Processors
- 4 x HDMI with EDID emulation
- Up to 96 GB, 2 x SO-DIMM DDR5
- 1 x M.2 for SSD
- 2 x RJ45, 1 x M.2 for Wi-Fi/BT, 1 x M.2 for 3G/4G

Specifications (Preliminary)	
CPU	AMD Ryzen™ 7 8845HS/Ryzen™ 5 7640HS processors
Chipset	SoC
Processing Units	8 Cores/6 Cores
NPU	AMD Ryzen™ AI, Overall 38TOPS, NPU 16TOPS AI performance
TDP	45 W/45 W
System Memory	Up to 96 GB, 2 x SO-DIMM DDR5-5600 MHz
Storage	1 x M-Key M.2(2280) PCIe4.0 X4 for SSD
Network Controller	1 x Realtek RTL8111H Gigabit Ethernet 1 x Realtek I226-V Gigabit Ethernet
Ethernet Interface	1 x 1GbE RJ45, 1 x 2.5GbE RJ45
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT 1 x B-Key M.2 (3042) for 3G/4G, 1 x SIM Slot
GPU	AMD® Radeon™ 780M/Radeon™ 760M
Multi-media	1080p60 8bpc MPEG2/VC1, 4320p75 8bpc H.264, 4320p49 8/10bpc, H.265/VP9 decode 2160p175 8bpc H.264, 4320p43 8bpc H.265, 4320p60 8/10bpc AV1encode
Display Interface	4 x HDMI (Max. 3840 x 2160 @60 Hz) with EDID
USB	5 x USB3.2 Gen2, 1 x USB2.0
Serial Port	1 x RS232 DB9 (Optional: 2 x RS232 DB9)
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT 2 x Connector for 3G/4G (Reserved)
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN, 19 V/6.32 A
Dimensions (W x D x H)	200 mm x 130 mm x 32 mm (7.87" x 5.12" x 1.26")
Cooling System	Smart fan, active cooling
Construction	Metal, Black
Operating System	Windows 11 (64bit)/Linux Ubuntu (64bit)
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Order Information	
D108	CPU: AMD® Ryzen™ 7 8845HS processor RAM: NA Storge: NA
Packing List	2 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
VESA Mounting	VESA Mounting Kit (JZ200)

Giada D614

Raptor Lake Refresh Book-size Computer

High-performance Player



RoHS FCC CE UKA

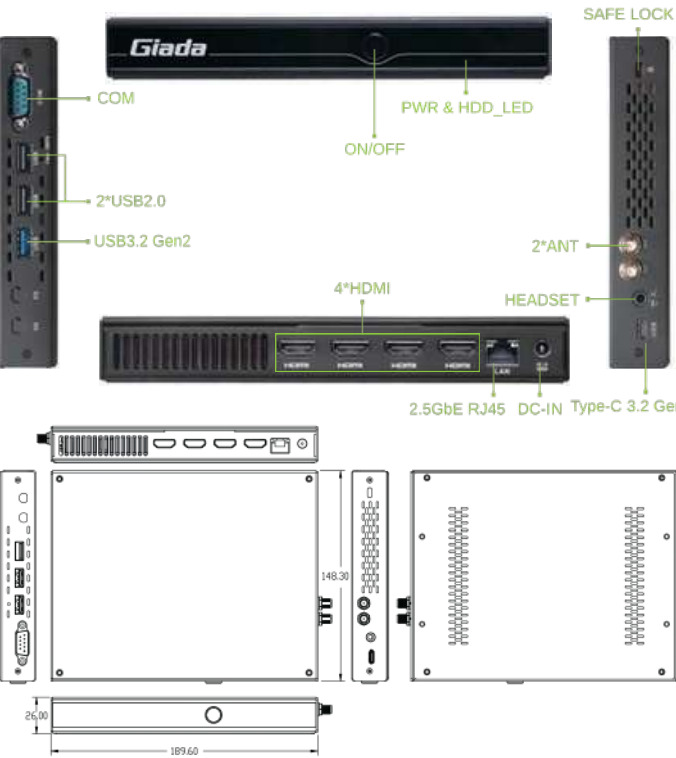
Specifications	
CPU	Intel® Core™ 3 processor 100U Intel® Core™ 5 processor 120U
Chipset	SoC
Processing Units	6 Cores/10 Cores
TDP	15 W/15 W
System Memory	Up to 96 GB, 2 x SO-DIMM DDR5-5200 MHz
Storage	1 x M-Key M.2 (2280) PCIe4.0 X4 for SSD
Network Controller	1 x Intel® i226-LM Gigabit Ethernet
Ethernet Interface	1 x 2.5GbE RJ45
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT, support Wi-Fi 5, Wi-Fi 6, Wi-Fi 6E(CNVi) 1 x B-key M.2 (3042/3052) for 3G/4G/5G, 1 x SIM Slot
GPU	Intel® UHD/Iris® Xe
Graphic Engine	DirectX 12.1, OpenGL 4.6, OpenCL 3.0, 8K 60fps 12b 4:2:0 HEVC/VP9/SCC
Display Interface	4 x HDMI (Max. 4096 x 2304 @60 Hz) Optional: 2 x HDMI (Max. 4096 x 2304 @60 Hz) 1 x DP1.4 (Max. 7680 x 4320 @60 Hz)
USB	1 x USB Type-C3.2 Gen2, 1 x USB3.2 Gen2, 2 x USB2.0
Serial Port	1 x RS232
Audio	1 x 2-in-1 Headset (MIC-IN & AUDIO-OUT)
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT 2 x Connector for 5G (Reserved)
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN, 19 V/4.74 A
Dimensions (W x D x H)	189.6mm x 148.3mm x 26mm (7.46" x 5.83" x 1.02")
Cooling System	Smart fan, active cooling
Construction	Metal, Black
Operating System	Windows 11 (64bit)/Linux Ubuntu (64bit)
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	10 ~ 90% @ 45°C(non-condensing)
Certification	CE, FCC Class B, UKCA

Features

- Intel® Raptor Lake Refresh Core processors
- 4 x HDMI (Optional: 2 x HDMI, 1 x DP)
- Up to 96 GB, 2 x SO-DIMM DDR5/DDR4
- 1 x M.2 for SSD
- 1 x RJ45, 1 x M.2 for Wi-Fi/BT, 1 x M.2 for 3G/4G/5G

Order Information	
D614-100U50N0G-GIA	CPU: Intel® Core™ 3 processor 100U RAM: NA Storge: NA
D614-120U50N0G-GIA	CPU: Intel® Core™ 5 processor 120U RAM: NA Storge: NA
Packing List	2 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
VESA Mounting	VESA Mounting Kit (JZ183)

Dimensions and Drawing



Giada D613-U1/D613

Raptor Lake-P Book-size Computer

High-performance Player



RoHS

Features

- Intel® Raptor Lake-P Processors
- 4 x HDMI
- Up to 96 GB, 2 x SO-DIMM DDR5/DDR4
- 1 x M.2 for SSD
- 1 x RJ45, 1 x M.2 for Wi-Fi/BT, 1 x M.2 for 3G/4G/5G

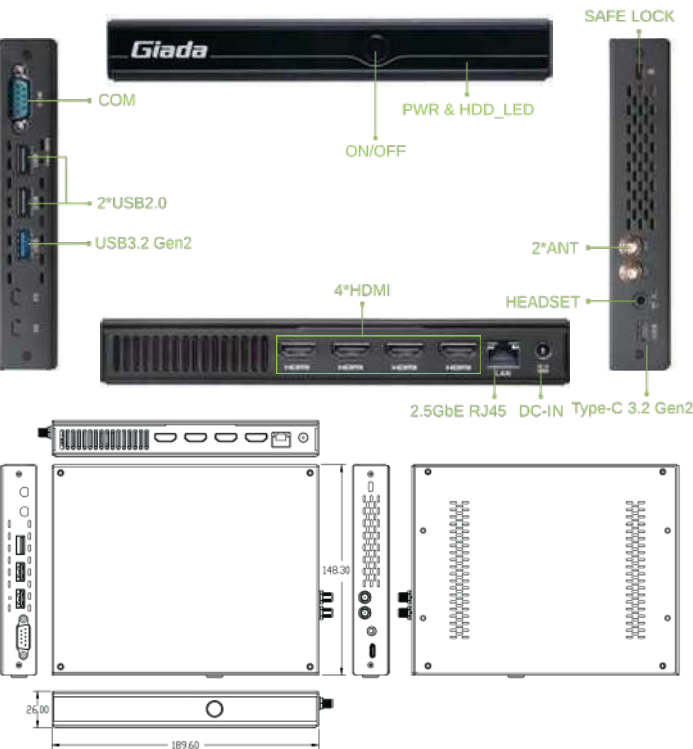
Specifications

CPU	Intel® Core™ i3-1315U/i5-1335U processors
Chipset	SoC
Processing Units	6 Cores/10 Cores
TDP	15 W/15 W
System Memory	Up to 96 GB, 2 x SO-DIMM DDR5-5200 MHz (D613-U1) Up to 64 GB, 2 x SO-DIMM DDR4-3200 MHz (D613)
Storage	1 x M-Key M.2 (2280) PCIe4.0 X4 for SSD
Network Controller	1 x Intel® i226-V Gigabit Ethernet (D613-U1) 1 x Intel® i219-LM Gigabit Ethernet (D613)
Ethernet Interface	1 x 2.5GbE RJ45 (D613-U1)/1 x RJ45 (D613)
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT, support Wi-Fi 5, Wi-Fi 6, Wi-Fi 6E(CNVi) 1 x B-key M.2 (3042/3052) for 3G/4G/5G, 1 x SIM Slot
GPU	Intel® UHD Graphics (Core i3) Intel® Iris® Xe Graphics (Core i5)
Graphic Engine	DirectX 12.1, OpenGL 4.6, OpenCL 3.0, 8K 60fps 12b 4:2:0 HEVC/VP9/SCC
Display Interface	4 x HDMI (Max. 4096 x 2304 @60 Hz)
USB	1 x USB Type-C3.2 Gen2, 1 x USB3.2 Gen2, 2 x USB2.0
Serial Port	1 x RS232
Audio	1 x 2-in-1 Headset (MIC-IN & AUDIO-OUT)
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT 2 x Connector for 5G (Reserved)
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN, 19 V/4.74 A
Dimensions (W x D x H)	189.6mm x 148.3mm x 26mm (7.46" x 5.83" x 1.02")
Cooling System	Smart fan, active cooling
Construction	Metal, Black
Operating System	Windows 11 (64bit)/Linux Ubuntu (64bit) ChromeOS Flex
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	10 ~ 90% @ 45°C(non-condensing)
Certification	CE, FCC Class B, UKCA

Order Information

D613-U1-1315U50N0G-GIA	CPU: Intel® Core™ i3-1315U processor RAM: NA Storge: NA
D613-U1-1335U50N0G-GIA	CPU: Intel® Core™ i5-1335U processor RAM: NA Storge: NA
D613-1315U40N0G-GIA	CPU: Intel® Core™ i3-1315U processor RAM: NA Storge: NA
D613-1335U40N0G-GIA	CPU: Intel® Core™ i5-1335U processor RAM: NA Storge: NA
Packing List	2 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
VESA Mounting	VESA Mounting Kit (JZ183)

Dimensions and Drawing



Giada DM6

AMD Ryzen Book-Size Computer

High-performance Player



RoHS

Features

- AMD® Ryzen™ V1000 Series Processors
- 4 x HDMI
- Up to 32 GB, 2 x SO-DIMM DDR4
- 1 x M.2 for SSD
- 1 x RJ45, 1 x M.2 for Wi-Fi/BT, 1 x M.2 for 3G/4G

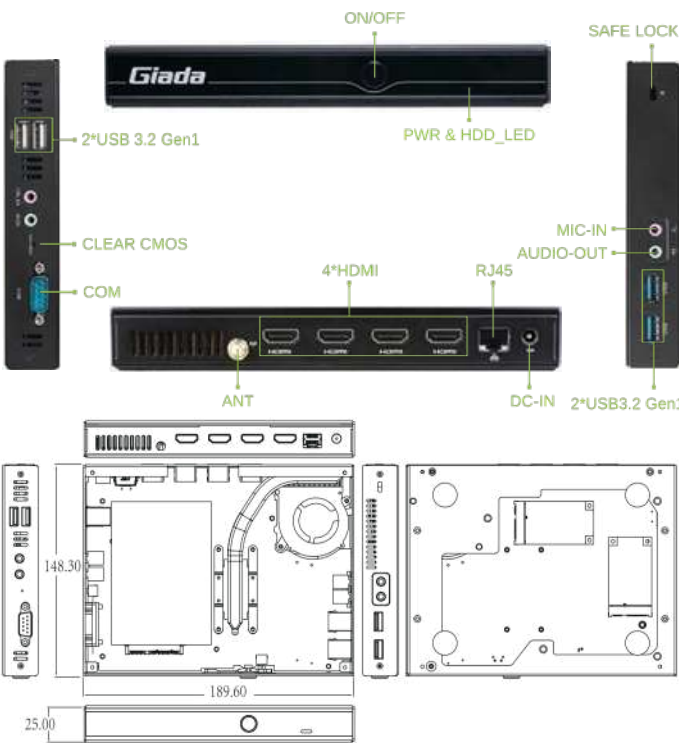
Specifications

CPU	AMD Ryzen™ V1202B/V1605B processors
Chipset	SoC
Processing Units	2 Cores/4 Cores
TDP	25 W/25 W
System Memory	Up to 32 GB, 2 x SO-DIMM DDR4-2400 MHz
Storage	1 x M-Key M.2(2280) PCIe3.0 X4 for SSD
Network Controller	1 x Realtek RTL8111H Gigabit Ethernet
Ethernet Interface	1 x RJ45
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT 1 x B-Key M.2 (3042) for 3G/4G, 1 x SIM Slot
GPU	AMD® Radeon™ Vega 3/Vega 8 Graphics
Graphic Engine	Direct3D 2015, OpenGL 4.5, OpenCL 2.1
Display Interface	4 x HDMI (Max. 3840 x 2160 @60 Hz)
USB	2 x USB3.2 Gen1, 2 x USB2.0
Serial Port	1 x RS232
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	1 x Connector for Wi-Fi/BT
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN, 19 V/3.42 A
Dimensions (W x D x H)	189.6mm x 148.3mm x 26mm (7.46" x 5.83" x 1.02")
Cooling System	Smart fan, active cooling
Construction	Metal, Black
Operating System	Windows 10 (64bit)/Linux Ubuntu (64bit) ChromeOS Flex
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Order Information

DM6-V1202B40M0G-GIA	CPU: AMD® Ryzen™ V1202B processor RAM: NA Storge: NA
DM6-V1605B40M0G-GIA	CPU: AMD® Ryzen™ V1605B processor RAM: NA Storge: NA
Packing List	1 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
VESA Mounting	VESA Mounting Kit (JZ183)

Dimensions and Drawing



[Learn More](#)

Giada DK320

Wildcat Lake Ultra-compact Computer

High-performance Player



Features

- Intel® Wildcat Lake Processors
- 2 x HDMI, 1 x DP
- Up to 48 GB, 1 x SO-DIMM DDR5
- 1 x M.2 for SSD
- 1 x RJ45, 1 x M.2 for Wi-Fi/BT

Specifications (Preliminary)	
CPU	Intel® Wildcat Lake processors
Chipset	SoC
NPU	Up to 18 TOPS NPU
TDP	15 W
System Memory	Up to 48 GB, 1 x SO-DIMM, DDR5-6400MHz
Storage	1 x M.2 (2242/2280)PCIe4.0 x4 for SSD
Network Controller	1 x Intel® i226-LM Gigabit Ethernet
Ethernet Interface	1 x 2.5GbE RJ45
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT, support Wi-Fi 6, Wi-Fi 6E(CNV), Wi-Fi 7
GPU	Intel® UHD Graphics
Display Interface	2 x HDMI (Max. 4096 x 2304 @60 Hz) 1 x DP (Max. 4096 x 2304 @60 Hz)
USB	1 x USB3.2 Gen2 Type-A, 3 x USB3.2 Gen1 Type-A
Serial Port	1 x RS232
Audio	1 x 2-in-1 Headset (MIC-IN & AUDIO-OUT)
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN, 19 V/3.42A
Dimensions (W x D x H)	130 mm x 129.3 mm x 25.4 mm (5.12" x 5.09" x 1")
Cooling System	Smart fan, active cooling
Construction	Metal, Black
Operating System	Windows 11 (64bit)/Linux Ubuntu (64bit)
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	10 ~ 90% @ 45°C(non-condensing)
Certification	CE, FCC Class B, UKCA

Order Information	
DK320	CPU: Intel® Wildcat Lake processors RAM: NA Storge: NA
Packing List	2 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
VESA Mounting	VESA Mounting Kit (JC501)

Giada PC615

Meteor Lake/Arrow Lake OPS Computer

OPS/SDM



Features

- Intel® Meteor Lake/Arrow Lake Processors
- 1 x JAE (DP/HDMI), 1 x HDMI, 1 x DP
- Up to 96GB, 2 x SO-DIMM DDR5
- 2 x M.2 for SSD
- 1 x RJ45, 1 x M.2 for Wi-Fi/BT

Specifications (Preliminary)	
CPU	Intel® Meteor Lake processors Intel® Arrow Lake processors
Chipset	SoC
Processing Units	By CPU
TDP	≤28W
System Memory	Up to 96GB, 2 x SO-DIMM DDR5-5200 MHz
Storage	1 x M.2 (2242/2280) PCIe4.0 X4 & SATA for SSD 1 x M.2 (2280) PCIe4.0 X1 for SSD
Network Controller	1 x Intel® i219-V Gigabit Ethernet
Ethernet Interface	1 x RJ45
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT, Support Wi-Fi 5, Wi-Fi 6E (CNV), Wi-Fi 7
GPU	Intel® Graphics
Graphic Engine	DirectX12.1, OpenGL4.6, OpenCL3.0, H.264/H.265(HEVC) Encode/Decode, AV1 Decode
Display Interface	1 x HDMI (Max. 4096 x 2160 @60 Hz) 1 x DP (Max. 4096 x 2160 @60 Hz)
USB	1 x USB Type-C3.2 Gen2, 2 x USB3.2 Gen2, 2 x USB2.0
Serial Port	NA
JAE Interface	DP Max. 7680 x 4320 @60Hz HDMI Max. 4096 x 2160 @60Hz 1 x USB3.2 Gen1, 2 x USB2.0, 1 x TTL
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC jack/80pin JAE; DC-IN, 12 V~19 V
Dimensions (W x D x H)	200mm x 119mm x 30mm (7.87" x 4.69" x 1.18")
Construction	Metal, Black
Operating System	Windows 11 (64bit)/Linux Ubuntu (64bit)
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Order Information	
PC615	CPU: Intel® Meteor Lake/Arrow Lake Processors RAM: NA Storge: NA
Packing List	2 x Wi-Fi Antenna

Giada PC613-U1/PC613

Raptor Lake-P OPS Computer

OPS/SDM

- Raptor Lake-P
- HDMI
- M.2
- vPro



RoHS

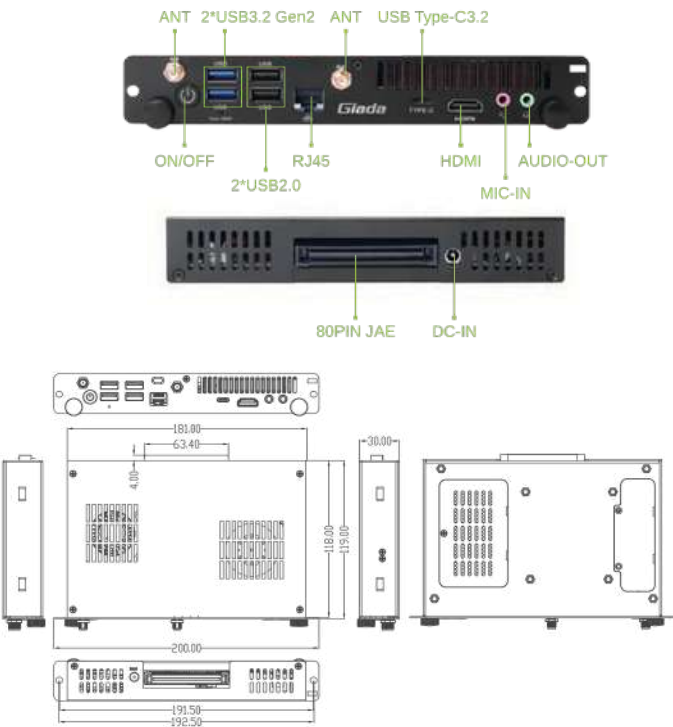
Specifications	
CPU	Intel® Core™ i3-1315U/i5-1335U processors
Chipset	SoC
Processing Units	6 Cores/10 Cores
TDP	15 W
System Memory	Up to 96GB, 2 x SO-DIMM DDR5-5200 MHz (PC613-U1) Up to 64GB, 2 x SO-DIMM DDR4-3200 MHz (PC613)
Storage	1 x M-Key M.2 (2242/2280) PCIe4.0 X4 for SSD
Network Controller	1 x Intel® i219-LM Gigabit Ethernet
Ethernet Interface	1 x RJ45
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT, Support Wi-Fi 5, Wi-Fi 6 (CNVi)
GPU	Intel® UHD Graphics (Core™ i3) Intel® Iris® Xe Graphics (Core™ i5)
Graphic Engine	DirectX12.1, OpenGL4.6, OpenCL3.0, Intel® Quick Sync Video
Display Interface	1 x HDMI (Max. 4096 x 2160 @60 Hz)
USB	1 x USB Type-C3.2 Gen2, 2 x USB3.2 Gen2, 2 x USB2.0
Serial Port	NA
JAE Interface	DP Max.7680 x 4320 @60Hz HDMI Max.4096 x 2160 @60Hz 1 x USB3.2 Gen2, 2 x USB2.0, 1 x UART, DC, Audio
Audio	1 x MIC-IN, 1 x LINE-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC jack/80pin JAE; DC-IN, 12 V~19 V
Dimensions (W x D x H)	200mm x 119mm x 30mm (7.87" x 4.69" x 1.18")
Construction	Metal, Black
Operating System	Windows 11 (64bit)/Linux Ubuntu (64bit)
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Features

- Intel® Raptor Lake-P Processors
- 1 x JAE (DP/HDMI), 1 x HDMI
- Up to 96GB, 2 x SO-DIMM DDR5/DDR4
- 1 x M.2 for SSD
- 1 x RJ45, 1 x M.2 for Wi-Fi/BT

Order Information	
PC613-U1-1315U50N0G-GIA	CPU: Intel® Core™ i3-1315U processor RAM: NA Storge: NA
PC613-U1-1335U50N0G-GIA	CPU: Intel® Core™ i5-1335U processor RAM: NA Storge: NA
PC613-1315U40N0G-GIA	CPU: Intel® Core™ i3-1315U processor RAM: NA Storge: NA
PC613-1335U40N0G-GIA	CPU: Intel® Core™ i5-1335U processor RAM: NA Storge: NA
Packing List	2 x Wi-Fi Antenna

Dimensions and Drawing



Giada SDM-L613

Raptor Lake-P SDM-L

OPS/SDM

- Raptor Lake-P
- 8K
- vPro
- PCIe Connector
- 2.5GbE



RoHS

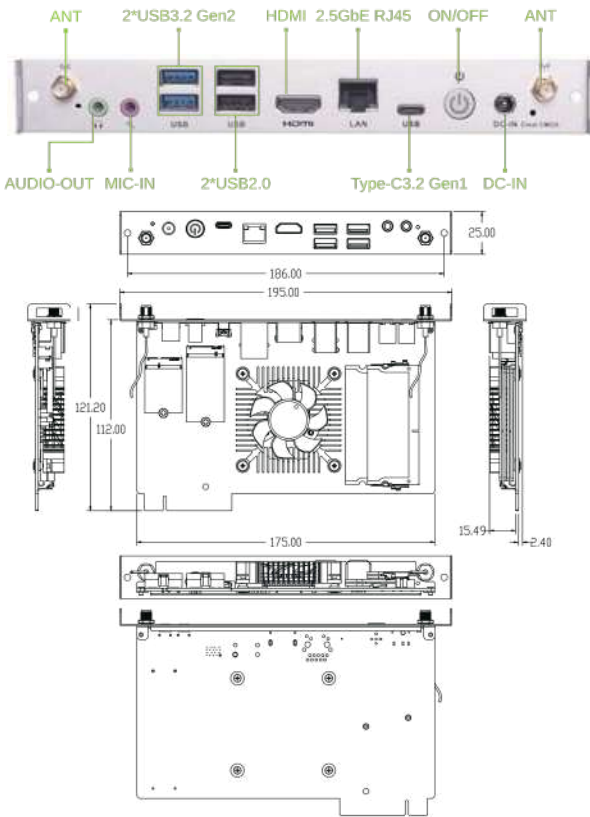
Specifications	
CPU	Intel® Core™ i3-1315U processor Intel® Core™ i5-1335U/i5-1345U processor Intel® Core™ i7-1355U processor
Chipset	SoC
Processing Units	6 Cores/10 Cores/10 Cores/10 Cores
TDP	15 W/15 W/15 W/15 W
System Memory	Up to 64 GB, 2 x SO-DIMM DDR5-5200 MHz
Storage	1 x M-Key M.2 (2280) PCIe4.0 X4 for SSD
Network Controller	1 x Intel® Ethernet Controller I225-LM
Ethernet Interface	1 x 2.5GbE RJ45
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT, Support Wi-Fi 5, Wi-Fi 6 (CNVi)
GPU	Intel® UHD Graphics (Core i3) Intel® IRIS® Xe Graphics (Core i5, Core i7)
Graphic Engine	DirectX 12.1, OpenGL 4.6, OpenCL 3.0, 8K60 12b 4:2:0 HEVC/VP9/SCC
Display Interface	1 x HDMI (Max. 7680 x 4320 @60 Hz)
USB	1 x USB Type-C3.2 Gen1, 2 x USB3.2 Gen2, 2 x USB2.0
Serial Port	NA
SDM I/O	HDMI, DP, USB3.2 Gen1, UART, GSPI, I2C,
PCIe X8 Edge Connector	PCIe, SYS_FAN
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN, 12 V/5 A, SDM IO: 12 V
Dimensions (W x D x H)	175mm x 110mm (6.89" x 4.33")
Cooling System	Smart fan, active cooling
Operating System	Windows 11 (64bit)/Linux Ubuntu (64bit)
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F) at 0.7 m/s Air Flow
Storage Temperature	-20°C ~ 75°C (-4°F ~ 167°F)
Relative Humidity	95% @ 60°C (non-condensing)

Features

- Intel® Raptor Lake-P Processors
- 1 x HDMI
- Up to 64 GB, 2 x SO-DIMM DDR5
- 1 x M.2 for SSD
- 1 x RJ45, 1 x M.2 for Wi-Fi/BT,

Order Information	
SDM-L613-1315G5N0G-GIA	CPU: Intel® Core™ i3-1315U processor RAM: NA Storge: NA
SDM-L613-1335G5N0G-GIA	CPU: Intel® Core™ i5-1335U processor RAM: NA Storge: NA
Packing List	2 x Wi-Fi Antenna

Dimensions and Drawing



Giada DF613-I

Raptor Lake-P High-end Fanless Computer

Embedded PC



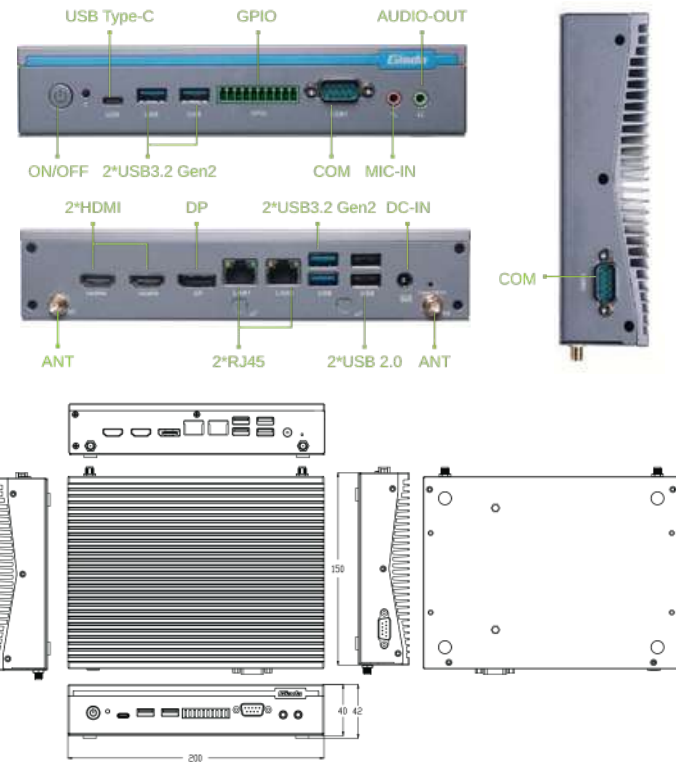
Specifications	
CPU	Intel® Core™ i3-1315U/i5-1335U processors
Chipset	SoC
Processing Units	6 Cores/10 Cores
TDP	15 W/15 W
System Memory	Up to 64 GB, 2 x SO-DIMM, DDR4-3200 MHz
Storage	1 x M-Key M.2 (2280) PCIe4.0 X4 for SSD
Network Controller	1 x Intel® i219-LM Gigabit Ethernet 1 x Realtek RTL8111H Gigabit Ethernet
Ethernet Interface	2 x RJ45
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT, support Wi-Fi 5, Wi-Fi 6, Wi-Fi 6E(CNVi) 1 x B-Key M.2 (3042) for 3G/4G, 1 x SIM Slot
GPU	Intel® UHD Graphics (Core™ i3) Intel® Iris® Xe Graphics (Core™ i5)
Graphic Engine	DirectX 12.1, OpenGL 4.6, OpenCL 3.0, 8K 60fps 12b 4:2:0 HEVC/VP9/SCC
Display Interface	1 x DP (Max. 7680 x 4320 @60 Hz) 2 x HDMI (Max. 4096 x 2304 @60 Hz)
USB	1 x USB Type-C, 4 x USB3.2 Gen2, 2 x USB2.0
GPIO	8 bi-directional GPIOs (10-pin Phoenix)
Serial Port	1 x RS232, 1 x RS232/422/485
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT, 2 x Connector for 3G/4G (Reserved)
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN, 19 V/4.74 A
Dimensions (W x D x H)	200mm x 150mm x 40mm (7.87" x 5.90" x 1.57")
Cooling System	Fanless, passive cooling
Construction	Metal, Gray
Operating System	Windows 11 (64bit)/Linux Ubuntu (64bit)
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Features

- Intel® Raptor Lake-P Processors
- 1 x DP, 2 x HDMI
- Up to 64 GB, 2 x SO-DIMM DDR4
- 1 x M.2 for SSD
- 2 x RJ45, 1 x M.2 for Wi-Fi/BT,
1 x M.2 for 3G/4G

Order Information	
DF613-I-1315U40N0G-GIA	CPU: Intel® Core™ i3-1315U processor RAM: NA Storge: NA
DF613-I-1335U40N0G-GIA	CPU: Intel® Core™ i5-1335U processor RAM: NA Storge: NA
Packing List	2 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
VESA Mounting	Wall-mounting Kit (JC553)

Dimensions and Drawing



Giada DF613-U1/DF613

Raptor Lake-P High-end Fanless Computer

Embedded PC



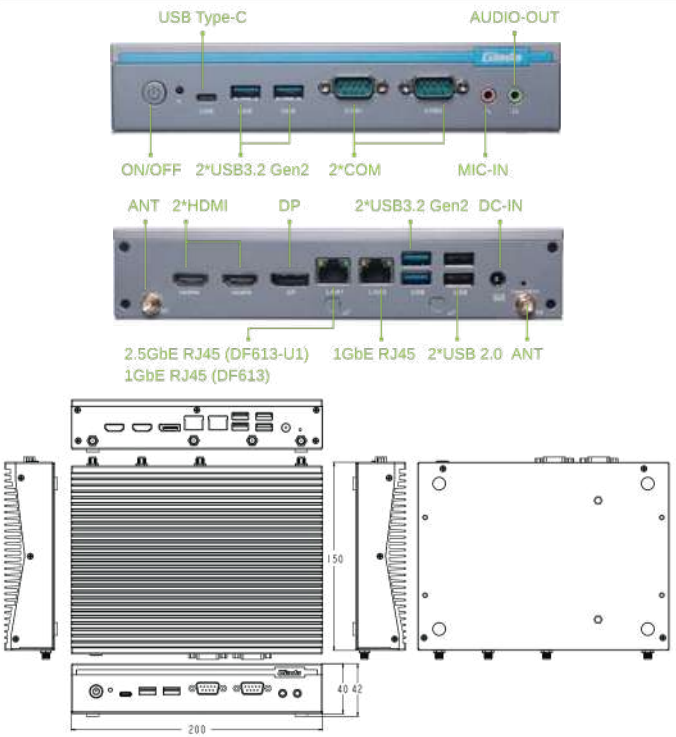
Specifications	
CPU	Intel® Core™ i3-1315U/i5-1335U processors
Chipset	SoC
Processing Units	6 Cores/10 Cores
TDP	15 W/15 W
System Memory	Up to 96 GB, 2 x SO-DIMM, DDR5-5200 MHz (DF613-U1) Up to 64 GB, 2 x SO-DIMM, DDR4-3200 MHz (DF613)
Storage	1 x M-Key M.2 (2242/2280) PCIe4.0 X4 for SSD
Network Controller	1 x Intel® i219-LM Gigabit Ethernet 1 x Realtek RTL8111H Gigabit Ethernet
Ethernet Interface	1 x 2.5GbE RJ45, 1 x 1GbE RJ45 (DF613-U1) 2 x 1GbE RJ45 (DF613)
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT, support Wi-Fi 5, Wi-Fi 6, Wi-Fi 6E(CNVi) 1 x B-Key M.2 (3042) for 3G/4G, 1 x SIM Slot
GPU	Intel® UHD Graphics (Core™ i3) Intel® Iris® Xe Graphics (Core™ i5)
Graphic Engine	DirectX 12.1, OpenGL 4.6, OpenCL 3.0, 8K 60fps 12b 4:2:0 HEVC/VP9/SCC
Display Interface	1 x DP (Max. 7680 x 4320 @60 Hz) 2 x HDMI (Max. 4096 x 2304 @60 Hz)
USB	1 x USB Type-C, 4 x USB3.2 Gen2, 2 x USB2.0
Serial Port	1 x RS232, 1 x RS232/422/485
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT, 2 x Connector for 3G/4G (Reserved)
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN, 19 V/4.74 A
Dimensions (W x D x H)	200mm x 150mm x 40mm (7.87" x 5.90" x 1.57")
Cooling System	Fanless, passive cooling
Construction	Metal, Gray
Operating System	Windows 11 (64bit)/Linux Ubuntu (64bit)
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Features

- Intel® Raptor Lake-P Processors
- 1 x DP, 2 x HDMI
- Up to 96 GB, 2 x SO-DIMM DDR5 (DF613-U1)
Up to 64 GB, 2 x SO-DIMM DDR4 (DF613)
- 1 x M.2 for SSD
- 2 x RJ45, 1 x M.2 for Wi-Fi/BT,
1 x M.2 for 3G/4G

Order Information	
DF613-U1-1315U50N0G-GIA	CPU: Intel® Core™ i3-1315U processor RAM: NA Storge: NA
DF613-U1-1335U50N0G-GIA	CPU: Intel® Core™ i5-1335U processor RAM: NA Storge: NA
DF613-1315U40N0G-GIA	CPU: Intel® Core™ i3-1315U processor RAM: NA Storge: NA
DF613-1335U40N0G-GIA	CPU: Intel® Core™ i5-1335U processor RAM: NA Storge: NA
Packing List	2 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
VESA Mounting	Wall-mounting Kit (JC553)

Dimensions and Drawing



Giada F109D

Twin Lake/Alder Lake-N Book-size Computer

Embedded PC



RoHS FCC CE UKCA

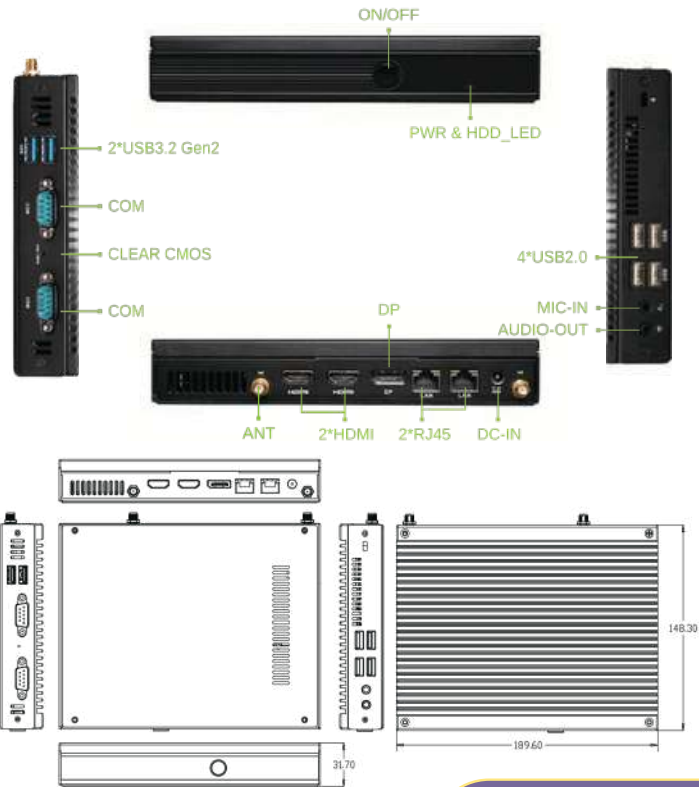
Features

- Intel® Twin Lake/Alder Lake-N processors
- 1 x DP, 2 x HDMI
- Up to 16 GB, 1 x SO-DIMM DDR5
- 1 x M.2 for SSD
- 2 x RJ45, 1 x M.2 for Wi-Fi/BT, 1 x M.2 for 3G/4G

Specifications	
CPU	Intel® Processor N150 Intel® Processor N100 Intel® Processor N97
Chipset	SoC
Processing Units	4 Cores
TDP	6 W/12 W
System Memory	Up to 16 GB, 1 x SO-DIMM DDR5-4800 MHz
Storage	1 x M-Key M.2 (2280) PCIe3.0 X4 for SSD (Optional: 32 GB/64 GB, Onboard eMMC)
Network Controller	2 x Realtek RTL 8111H Gigabit Ethernet
Ethernet Interface	2 x RJ45
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT, Support Wi-Fi 5/6 1 x B-Key M.2 (3042) for 3G/4G 1 x SIM Slot
GPU	Intel® Graphics/Intel® UHD Graphics
Graphic Engine	DirectX 12.1, OpenGL 4.6, OpenCL 3.0
Display Interface	1 x DP (Max. 4096 x 2160 @60Hz) 2 x HDMI (Max. 4096 x 2160 @60Hz)
USB	2 x USB3.2 Gen2, 4 x USB2.0
Serial Port	2 x RS232
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN, 19 V/2.37 A
Dimensions (W x D x H)	189.6mm x 148.3mm x 31.7mm (7.46" x 5.83" x 1.25")
Cooling System	Fanless, passive cooling
Construction	Metal, Black
Operating System	Windows 11 (64bit)/Linux Ubuntu (64bit) ChromeOS Flex
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Order Information	
F109D-N15050N0G-GIA	CPU: Intel® Processor N150 RAM: NA Storge: NA
F109D-N10050N0G-GIA	CPU: Intel® Processor N100 RAM: NA Storge: NA
F109D-N9750N0G-GIA	CPU: Intel® Processor N97 RAM: NA Storge: NA
Packing List	2 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
Optional Item	VESA Mounting Kit (JC283)

Dimensions and Drawing



Giada BQ614

Intel® B760 Chipset Rich-Client

Embedded PC



RoHS FCC CE UKCA

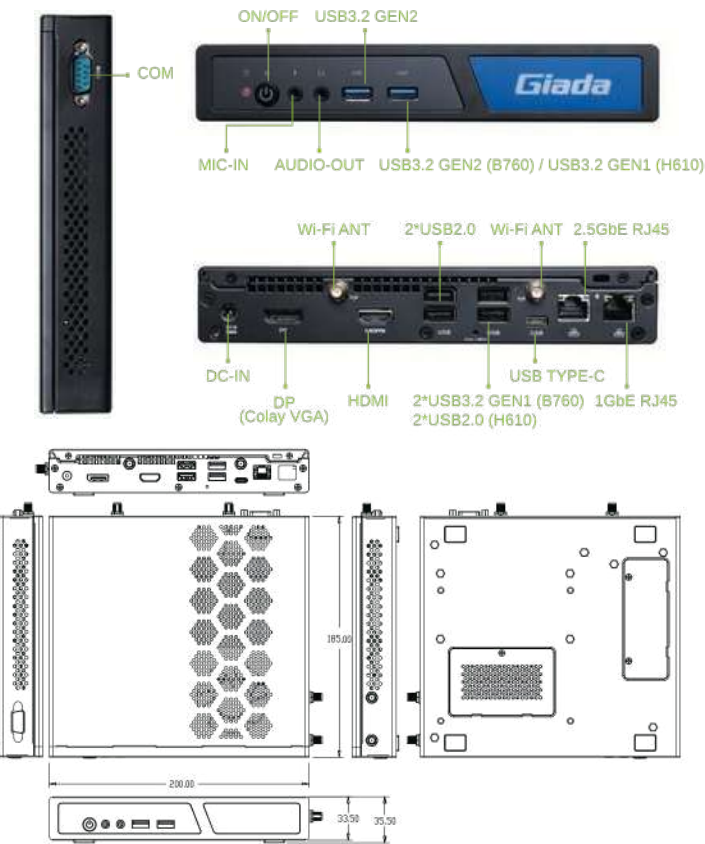
Features

- Intel® LGA1700 Socket 12th/13th/14th Gen. processors
- 1 x HDMI, 1 x VGA or DP
- Up to 96 GB, 2 x SO-DIMM DDR5
- 1 x M.2 for SSD, 1 x 2.5" SATA
- 8 x USB Type-A, 1 x USB Type-C
- 2 x RJ45, 1 x M.2 for Wi-Fi/BT, 1 x M.2 for 3G/4G

Specifications	
CPU	Intel® LGA1700 Socket 12 th /13 th /14 th Gen. processors
Chipset	B760 / H610
Processing Units	by CPU
TDP	≤ 65 W
System Memory	Up to 96 GB, 2 x SO-DIMM DDR5-5600 MHz
Storage	1 x M-Key M.2 (2280) PCIe3.0 X4 for SSD 1 x 2.5" SATAIII(7+15 pin)
Network Controller	1 x Realtek RTL 8111H Gigabit Ethernet 1 x Intel® Ethernet Controller I226-V
Ethernet Interface	1 x 2.5GbE RJ45, 1 x 1GbE RJ45
Wireless	1 x E-Key (2230) for Wi-Fi/BT Support Wi-Fi 5, Wi-Fi 6, Wi-Fi 6E (CNVi) 1 x B-Key M.2 (3042/3052) for 3G/4G, 1 x SIM Slot
GPU	Intel® UHD Graphics 730/770
Graphic Engine	DirectX 12, OpenGL 4.5, OpenCL 3.0
Display Interface	1 x HDMI (Max. 4096 x 2160 @60 Hz) 1 x DP1.4 (Max. 7680 x 4320 @60 Hz) Optional: VGA (Max. 2048 x 1536 @60 Hz) colay with DP
USB	1 x USB Type-C3.2 Gen2(Supports DP1.4 output)(B760) 2 x USB3.2 Gen2, 2 x USB3.2 Gen1, 2 x USB2.0(B760) 1 x USB Type-C3.2 Gen2(Supports DP1.4 output)(H610) 1 x USB3.2 Gen2, 1 x USB3.2 Gen1, 4 x USB2.0(H610)
Serial Port	1 x RS232
Audio	1 x MIC-IN, 1 x LINE-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN, 19 V/6.32 A
Dimensions (W x D x H)	200mm x 185mm x 34mm (7.87" x 7.28" x 1.33")
Cooling System	Smart fan, active cooling
Construction	Metal, Black
Operating System	Windows 11 (64bit)/Linux Ubuntu (64bit)
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Order Information	
BQ614-0000040N0G-GIA	CPU: Intel® LGA1700 Socket 12 th /13 th /14 th Gen. processors Chipset: B760 RAM: NA Storge: NA
BQ614-0000040N1G-GIA	CPU: Intel® LGA1700 Socket 12 th /13 th /14 th Gen. processors Chipset: H610 RAM: NA Storge: NA
Packing List	2 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
Optional Item	VESA Mounting Kit (JZ200), Stand Bracket

Dimensions and Drawing



Giada BQ612

Intel® H610/B660 Chipset Rich-Client

Embedded PC

B660 Desktop DP HDMI VGA 9xUSB



RoHS FCC CE UKCA

Specifications	
CPU	Intel® LGA1700 Socket 12 th /13 th /14 th Gen. processors
Chipset	H610/B660
Processing Units	by CPU
TDP	≤ 65 W
System Memory	Up to 64 GB, 2 x SO-DIMM DDR4-3200 MHz
Storage	1 x M-Key M.2 (2242/2280) PCIe3.0 X4 for SSD 1 x 2.5" SATAIII
Network Controller	2 x RTL8111H Gigabit Ethernet
Ethernet Interface	2 x RJ45
Wireless	1 x E-Key (2230) for Wi-Fi/BT Support Wi-Fi 5, Wi-Fi 6, Wi-Fi 6E (CNVi) 1 x B-Key M.2 (3042/3052) for 3G/4G, 1 x SIM Slot
GPU	Intel® UHD Graphics 730/770
Graphic Engine	DirectX 12, OpenGL 4.5, OpenCL 3.0
Display Interface	1 x HDMI (Max. 4096 x 2160 @60 Hz) 1 x DP (Max. 7680 x 4320 @60 Hz) Optional: VGA (Max. 2048 x 1536 @60 Hz) colay with DP
USB	1 x USB Type-C3.2 Gen1 (H610) 2 x USB3.2 Gen1, 6 x USB2.0 (H610) 1 x USB Type-C3.2 Gen2 (B660) 2 x USB3.2 Gen2, 6 x USB2.0 (B660)
Serial Port	2 x RS232
Audio	1 x MIC-IN, 1 x LINE-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN, 19 V/4.74 A or 19 V/6.32 A
Dimensions (W x D x H)	200mm x 185mm x 34mm (7.87" x 7.28" x 1.33")
Cooling System	Smart fan, active cooling
Construction	Metal, Black
Operating System	Windows 11 (64bit)/Linux Ubuntu (64bit)
Operating Temperature	0°C ~ 45°C (32°F ~ 113°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

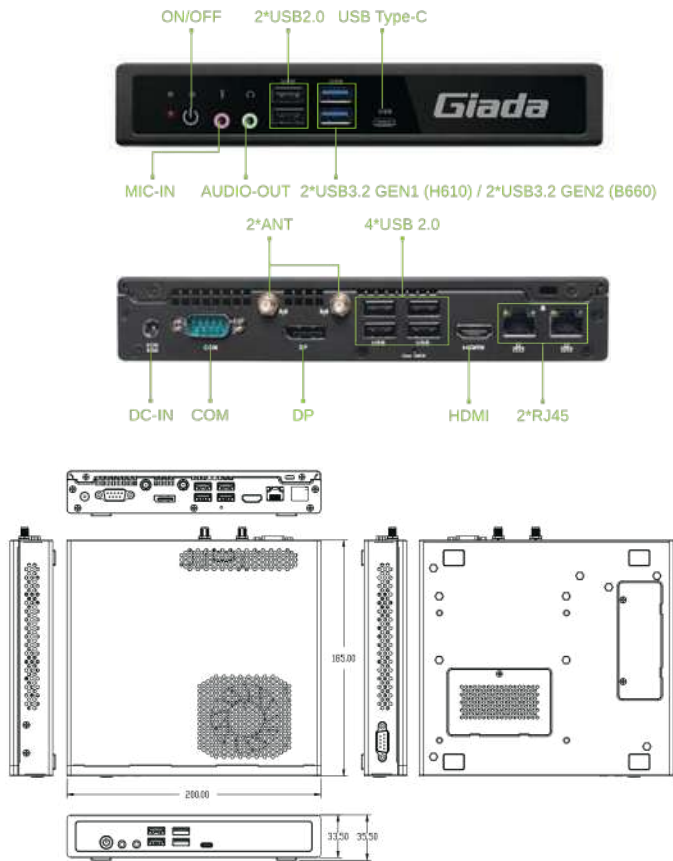
Features

- Intel® LGA1700 Socket 12th/13th/14th Gen. processors
- 1 x HDMI, 1 x VGA or DP
- Up to 64 GB, 2 x SO-DIMM DDR4
- 1 x M.2 for SSD, 1 x 2.5" SATA
- 8 x USB Type-A, 1 x USB Type-C
- 2 x RJ45, 1 x M.2 for Wi-Fi/BT,
1 x M.2 for 3G/4G

Order Information

BQ612-0000040N0G-GIA	CPU: NA	Chipset: H610
	RAM: NA	Storge: NA
Packing List	2 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter	
Optional Item	VESA Mounting (JZ200)	

Dimensions and Drawing



Learn More

Giada AN708

10.1 Inch ARM Based HMI

Industrial PC

ARM HDMI 10-Points



RoHS FCC CE UKCA

Specifications	
Display Resolution	1280 x 800 @60 Hz (16:9)
Color Performance	16.7m colors
Brightness	300 cd/m2
Response Time	<6.5ms
Viewing Angle	85/85/85/85 (L/R/U/D)
Contrast Ratio	>600:1
Type	Capacitive touch screen,Full Lamination
Input	10 points-touch, finger and stylush input
Resolution (DPI)	500 DPI
Hardness	≥6H
CPU	Rockchip® RK3576 processor
Processing Units	4 x Cortex-A72 & 4 x Cortex-A53
NPU	6 TOPS RKNN
TDP	6 W
System Memory	4GB, Onboard LPDDR4/LPDDR4x
Storage	64 GB, Onboard eMMC 1 x TF Card Reader
Network Controller	2 x Realtek RTL8211F Gigabit Ethernet
Ethernet Interface	2 x 1 GbE RJ45
Wireless	Onboard Wi-Fi/BT module, supports Wi-Fi6 2.4GHz/5GHz, Bluetooth5.4
GPU	ARM Mali-G52 MC3
Graphic Engine	OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1
Display Interface	1 x HDMI (Max. 3840 x 2160 @120 Hz)
USB	1 x Type-C(OTG, DP, USB3.2 Gen1) 2 x USB3.2 Gen1
GPIO	14pin phoenix contact, 8 x GPIO
Serial Port	2 x RS232
Camera	1 x Camera(optional)
Button	1 x Power on, 1 x Recovery
Antenna	2 x Connector for Wi-Fi/BT
Power Requirement	DC-IN 5.5*2.5, 12 V/3 A
Dimensions (W x D x H)	260.5mm x 178.4mm x 50mm (10.26" x 7.02" x 1.97")
Cooling System	Fanless, passive cooling
Construction	Metal, Black

Features

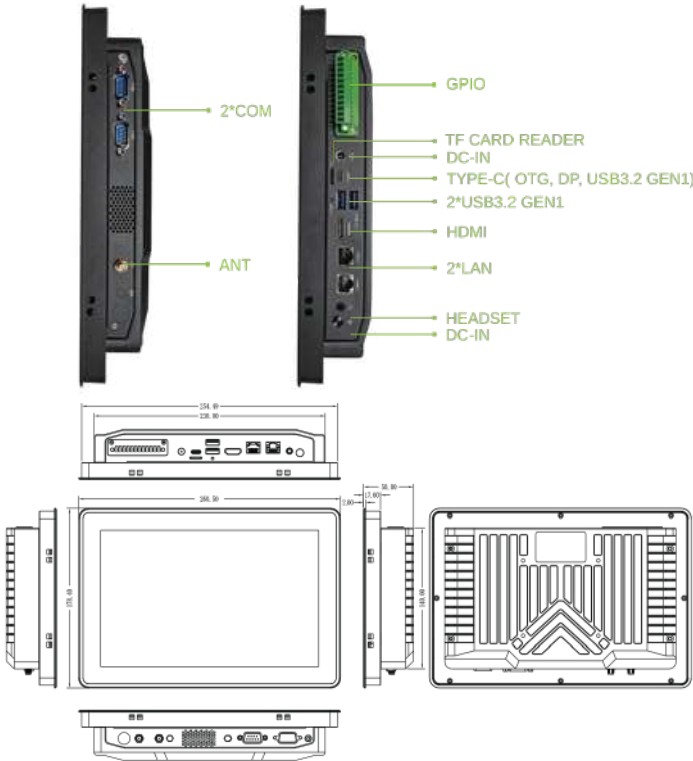
- 10 points-touch, Full Lamination touch screen
- Rockchip® RK3576 processor
- 4 GB, Onboard LPDDR4/LPDDR4x, 2 Channels
- 64 GB, Onboard eMMC, 1 x TF Card Reader
- 2 x RJ45, Onboard Wi-Fi/BT Module

Operating System	Android 14/Debian 12
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F) @0.7m/s Air Flow
Storage Temperature	-20°C ~ 75°C (-4°F ~ 167°F)
Relative Humidity	95% @ 60°C (non-condensing)

Order Information

AN708-3576U42N5G-GIA	CPU: Rockchip® RK3576 processor RAM: 4 GB Storage: 64 GB Wi-Fi/BT: Onboard Wi-Fi/BT module Operation System: Android14
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Dimensions and Drawing



Giada AE613

Raptor Lake-P Industrial Computer

Industrial PC



RoHS

Features

- Intel® Raptor Lake-P Processors
- 1 x DP, 2 x HDMI
- Up to 64 GB, 2 x SO-DIMM DDR4
- 1 x M.2 for SSD
- 2 x RJ45, 1 x M.2 for Wi-Fi/BT, 1 x M.2 for 3G/4G

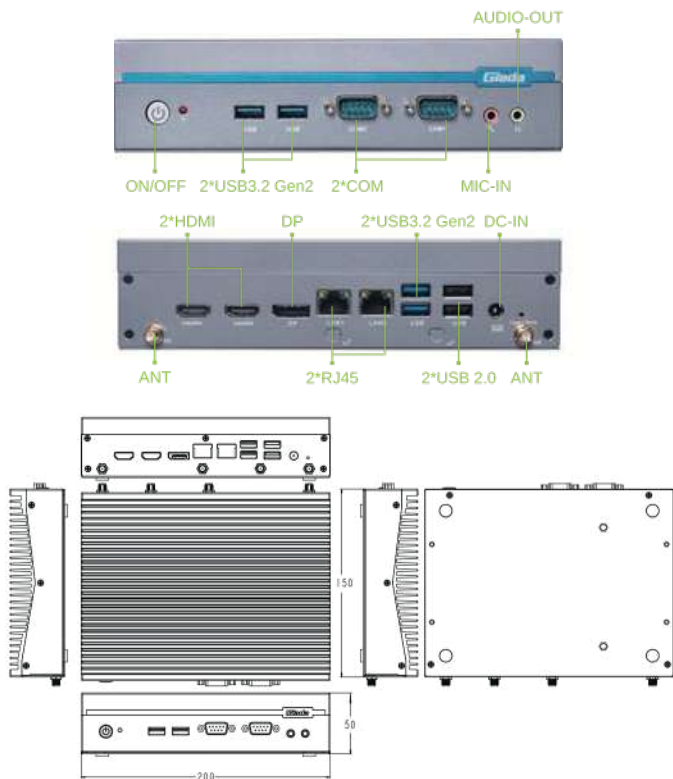
Specifications

CPU	Intel® Core™ i3-1315U/i5-1335U processors
Chipset	SoC
Processing Units	6 Cores/10 Cores
TDP	15 W/15 W
System Memory	Up to 64 GB, 2 x SO-DIMM DDR4-3200 MHz
Storage	1 x M-Key M.2 (2280) PCIe4.0 X4 for SSD
Network Controller	1 x Intel® i219-LM Gigabit Ethernet 1 x Intel® i210-IT Gigabit Ethernet
Ethernet Interface	2 x RJ45
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT Support Wi-Fi 5/6/6E (CNVi) 1 x B-Key M.2 (3042) for 3G/4G, 1 x SIM Slot
GPU	Intel® UHD Graphics (Core i3) Intel® Iris® Xe Graphics (Core i5)
Graphic Engine	DirectX 12.1, OpenGL 4.6, OpenCL 3.0, 8K 60fps 12b 4:2:0 HEVC/VP9/SCC
Display Interface	1 x DP (Max. 7680 x 4320 @60 Hz) 2 x HDMI (Max. 4096 x 2304 @60 Hz)
USB	4 x USB3.2 Gen2, 2 x USB2.0
Serial Port	1 x RS232, 1 x RS232/422/485
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT 2 x Connector for 3G/4G (Reserved)
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN, 12~36 V, 90 W
Dimensions (W x D x H)	200mm x 150mm x 50mm (7.87" x 5.90" x 1.97")
Cooling System	Fanless, passive cooling
Construction	Metal, Grey
Operating System	Windows 11 (64bit)/Linux Ubuntu (64bit)
Operating Temperature	-20°C ~ 60°C (-4°F ~ 140°F) @0.7m/s Air Flow
Relative Humidity	10% ~ 90% @45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Order Information

AE613-1315U40N0G-GIA	CPU: Intel® Core™ i3-1315U processor RAM: NA Storage: NA
AE613-1335U40N0G-GIA	CPU: Intel® Core™ i5-1335U processor RAM: NA Storage: NA
Packing List	2 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
VESA Mounting	Wall-mounting Kit (JC553)

Dimensions and Drawing



Giada AF208

Alder Lake-N Industrial Computer

Industrial PC



RoHS

Features

- Intel® Alder Lake-N processors
- 1 x DP or VGA, 1 x HDMI
- 8 GB, Onboard LPDDR5, 1 Channel
- 1 x M.2 for SSD
- 2 x RJ45, 1 x M.2 for Wi-Fi/BT (Wi-Fi6E CNVi)

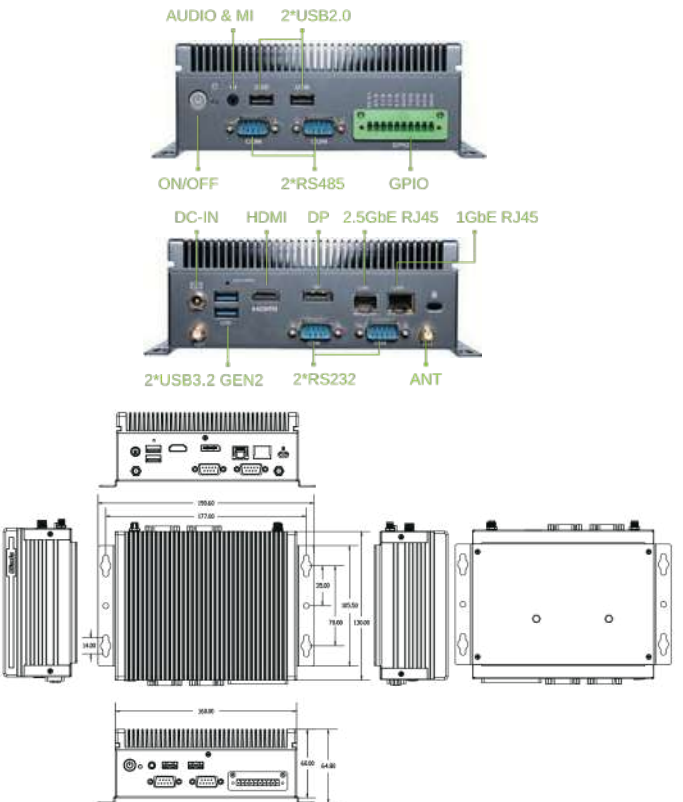
Specifications

CPU	Intel® Processor N97/Atom X7211E Processor
Chipset	SoC
Processing Units	4 Cores/2 Cores
TDP	12 W/6 W
System Memory	8 GB, Onboard LPDDR5-4800 MHz, 1 Channel (Optional: 16 GB)
Storage	1 x M-Key M.2 (2280) for PCIe3.0 X4 SSD
Network Controller	1 x Intel® i226-V Gigabit Ethernet, 1 x Intel® i210-AT Gigabit Ethernet
Ethernet Interface	1 x 2.5GbE RJ45, 1 x 1GbE RJ45
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT, Support Wi-Fi 5, Wi-Fi 6/6E
GPU	Intel® UHD Graphics
Graphic Engine	DirectX 12.1, OpenGL 4.6, OpenCL 3.0
Display Interface	1 x DP1.2 (Max. 4096 x 2160 @60Hz) 1 x HDMI2.0 (Max. 4096 x 2160 @60Hz)
USB	2 x USB3.2 Gen2 (10 Gbps), 2 x USB2.0
GPIO	10pin GPIO (4 x GPI, 4 x GPO)
Serial Port	2 x RS232, 2 x RS485
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	Lockable DC-IN, 12V ~ 24V, 45W
Dimensions (W x D x H)	160mm x 130mm x 60mm (6.30" x 5.12" x 2.36")
Cooling System	Fanless, passive cooling
Construction	Metal, Grey
Operating System	Windows 10 (64bit)/Windows 11 (64bit)/ Linux Ubuntu (64bit)
Operating Temperature	-20°C ~ 60°C (-4°F ~ 140°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Order Information

AF208-N9753N0G-GIA	CPU: Intel® Processor N97 RAM: 8 GB Storage: NA
AF208-7211E53N0G-GIA	CPU: Intel® Atom X7211E Processor RAM: 8 GB Storage: NA
Packing List	2 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
Optional Item	Wall-mounting Kit (JC283)

Dimensions and Drawing



Giada RN28

Alder Lake-N Fanless Network Appliance

Industrial PC



RoHS

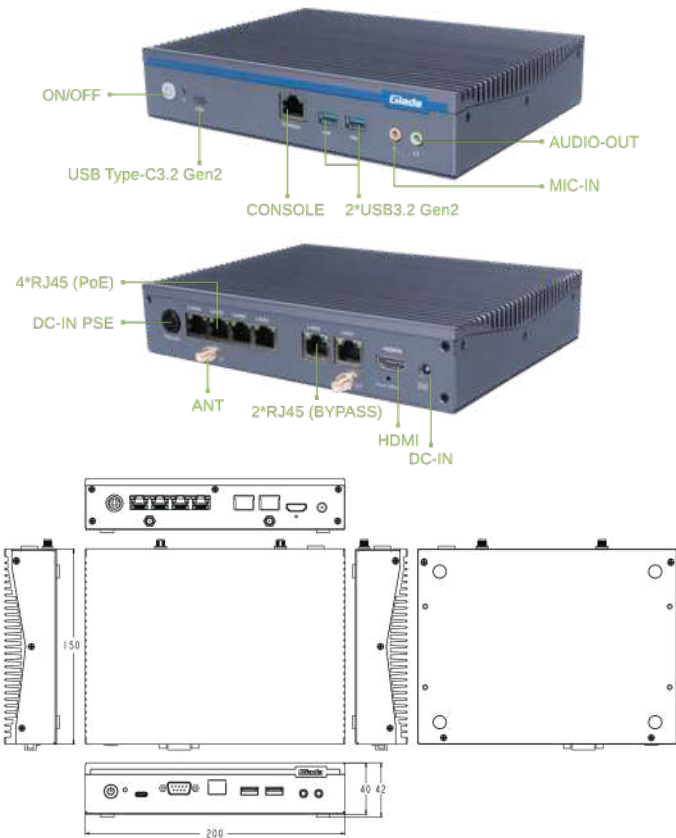
Features

- Intel® Alder Lake-N Processors
- 1 x HDMI
- Up to 16 GB, 1 x SO-DIMM DDR4
- 1 x M.2 for SSD, 1 x 2.5" SATA
- 2 x RJ45, 4 x RJ45 (PoE 30W/LAN), 1 x M.2 for Wi-Fi/BT

Order Information

RN28-N10040N0G-GIA	CPU: Intel® Processor N100 RAM: NA Storage: NA
Packing List	2 x Wi-Fi Antenna, 2 x AC Power Cable, 1 x PSE Power Adapter, 1 x AC Power Adapter
VESA Mounting	Wall-mounting Kit (JC553)

Dimensions and Drawing



Giada AR707

ARM Industrial Computer

Industrial PC



RoHS

Features

- Rockchip® RK3588J/RK3588 Processors
- 1 x DP, 1 x HDMI
- Up to 16 GB, Onboard LPDDR4x, 2 Channels
- Up to 128 GB, Onboard eMMC
1 x M-Key M.2 (2280) for SATA SSD
- 4 x RJ45 Supporting PoE+, 2 x RJ45
1 x M.2 for Wi-Fi/BT, 1 x M.2 for 4G

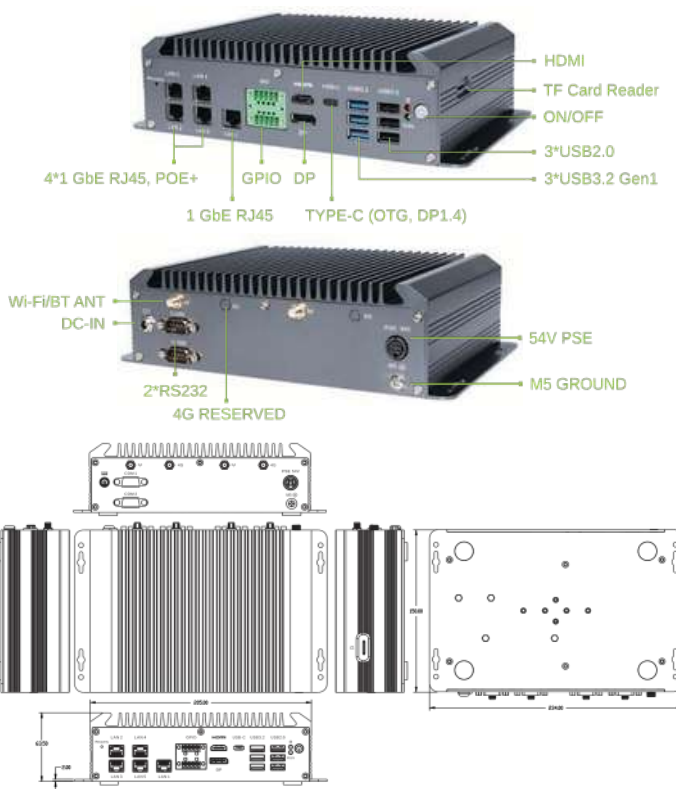
Specifications

CPU	Rockchip® RK3588J processor (Industrial) Rockchip® RK3588 processor
Processing Units	4 Cortex-A76 & 4 Cores Cortex-A55
NPU	6TOPS(INT8), SupportINT4/INT8/INT16/FP16
TDP	15 W
System Memory	Up to 16 GB, Onboard LPDDR4x, 2 Channels
Storage	Up to 128 GB, Onboard eMMC 1 x M-Key M.2 (2280) for SATA SSD, 1 x TF Card reader
Network Controller	5 x Intel® Gigabit Ethernet I210-IT (Industrial) 5 x Intel® Gigabit Ethernet I210-AT
Ethernet Interface	4 x 1 GbE RJ45, Supporting PoE+ (IEEE 802.3at) 1 x 1 GbE RJ45
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT, 1 x B-Key M.2 (3042) for 4G, 1 x SIM Slot
GPU	ARM Mali-G610 MP4 GPU
Graphic Engine	OpenGL ES 1.1/2.0/3.2, OpenCL 1.1/1.2/2.0, Vulkan 1.1/1.2
Display Interface	1 x DP (Max. 7680 x 4320 @30 Hz) 1 x HDMI (Max. 7680 x 4320 @60 Hz)
USB	3 x USB3.2 Gen1, 3 x USB2.0, 1 x Type-C (USB-OTG, DP)
GPIO	10pin GPIO (4 x GPI, 4 x GPO)
Serial Port	2 x RS232 DB9 (Optional: 2 x RS232, 2 x RS485)
CAN	Optional: 2 x CAN2.0 DB9
Button	1 x Power on, 1 x CLR-CMOS, 1 x Ground
Antenna	2 x Connector for Wi-Fi/BT 2 x Connector for 4G (Reserved)
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN: 12 V ~ 24 V, PSE: 54 V
Dimensions (W x D x H)	234mm x 150mm x 63.5mm (9.21" x 5.90" x 2.50")
Cooling System	Fanless, passive cooling
Construction	Metal, Grey
Operating System	Android 14/Debian 12
Operating Temperature	-20°C ~ 70°C (-4°F ~ 158°F) @0.7m/s Air Flow (RK3588J) 0°C ~ 60°C (32°F ~ 140°F) @0.7m/s Air Flow (RK3588)
Relative Humidity	10% ~ 90% @45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Order Information

AR707 (Industrial)	CPU: Rockchip® RK3588J processor RAM: 8 GB Storage: 64 GB
AR707-3588R43E6G-GIA	CPU: Rockchip® RK3588 processor RAM: 8 GB Storage: 64 GB
Packing List	2 x Wi-Fi Antenna, 2 x 4G Antenna 2 x AC Power Cable, 2 x AC Power Adapter

Dimensions and Drawing



Giada AF708

ARM Industrial Computer

Industrial PC



Features

- Rockchip® RK3576 processor
- 1 x HDMI
- 4 GB, Onboard LPDDR4/LPDDR4x, 2 Channels
- 32 GB, Onboard eMMC, 1 x TF Card Reader
- 2 x RJ45, Onboard Wi-Fi/BT Module

Specifications (Preliminary)	
CPU	Rockchip® RK3576 processor
Processing Units	4 x Cortex-A72 & 4 x Cortex-A53
NPU	6 TOPS RKNN
TDP	6 W
System Memory	4 GB, Onboard LPDDR4x, 2 Channels
Storage	32 GB, Onboard eMMC, 1 x TF Card Reader
Network Controller	2 x Realtek RTL8211F Gigabit Ethernet
Ethernet Interface	1 x 2.5GbE RJ45, 1 x 1GbE RJ45
Wireless	Onboard Wi-Fi/BT module
GPU	ARM Mali-G52 MC3
Graphic Engine	OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1
Display Interface	1 x HDMI2.0 (Max. 3840 x 2160 @60Hz)
USB	1 x USB3.2 Gen1, 1 x USB3.2 Gen1 OTG, 2 x USB2.0 1 x USB Type-C3.2 Gen1(Max. 3840 x 2160 @120Hz)
Phoenix Contact	16 pin, 2 x 4pin CAN, 8 bi-directional GPIOs
Serial Port	2 x RS232, 2 x RS485
Audio	1 x 2-in-1 headset (MIC-IN & AUDIO-OUT)
Button	1 x Power on, 1 x Recovery
Antenna	1 x Connector for Wi-Fi/BT
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	Lockable DC-IN, 12V
Dimensions (W x D x H)	160mm x 130mm x 60mm (6.30" x 5.12" x 2.36")
Cooling System	Fanless, passive cooling
Construction	Metal, Grey
Operating System	Android 14, Debian 12
Operating Temperature	-20°C ~ 60°C (-4°F ~ 140°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 45°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Order Information	
AF708	CPU: Rockchip® RK3576 processor RAM: 4 GB Storge: NA
Packing List	1 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
Optional Item	Wall-mounting Kit (JC283)

Giada CB5-108

AMD Ryzen Mini-ITX Motherboard

Industrial & Embedded Motherboard



Features

- AMD® Ryzen™ Embedded 8000 Processors
- 4 x DP
- Up to 64 GB, 2 x SO-DIMM DDR5
- 1 x M.2 for SSD
- 2 x RJ45
- 1 x PCIe4.0 X16, 1 x PCIe4.0 X8, 2 x RS232/CCTalk x2

Specifications (Preliminary)	
CPU	AMD® Ryzen Embedded 8845HS/8840U processors AMD® Ryzen Embedded 8645HS/8640U Processors
Chipset	SoC
Total Cores	8 Cores /8 Cores /6 Cores /6 Cores
TDP	45 W /28 W /45 W /28 W
System Memory	Up to 64 GB, 2 x SO-DIMM DDR5-5600 MHz
Storage	1 x M-Key M.2 (2242/2280) PCIe3.0 X4 for SSD
GPU	AMD Radeon™ 780M (Ryzen 88xx) AMD Radeon™ 760M (Ryzen 86xx)
Graphic Engine	DirectX 12.1, OpenGL 4.5, OpenCL 3.0
Network Controller	2 x Realtek RTL 8111H Gigabit Ethernet
Rear I/O	2 x USB3.2 Gen2, 3 x USB2.0 1 x RS232, 1 x RS232/422/485, 4 x DP1.4 (Max. 7680 x 4320 @60 Hz) 1 x MIC-IN, 1 x Line-out, 1 x Line-in, 1 x SPDIF 2 x 1 GbE RJ45
Internal I/O	2 x USB2.0, signal by 2 x 5pin USB header, 1 x USB3.2 Gen1 Type-A port, 1 x PCIe4.0 X16 , 1 x PCIe4.0 X8 2 x RS232/CCTalk x2, 1 x RS232/TTL, 1 x RS232/422/485 1 x 8-bit GPIO (4 x GPI, 4 x GPO), 1 x 2pin I2C 2 x 5pin F_AUDIO, 1 x 4pin SPDIF 2 x 5pin F_PANEL, 1 x 3pin CLR_CMOS 2 x 2pin BIOS Switch, 1 x 4pin CPU_FAN, 1 x 4pin SYS_FAN
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	ATX, 4pin ATX
Dimensions(W x D))	170mm x 170mm (6.69" x 6.69")
Cooling System	Smart fan, active cooling
Operation System	Windows 11 (64bit)/Linux Ubuntu (64bit)
Storage Temperature	-20°C ~ 75°C (-4°F ~ 167°F)
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F) at 0.7 m/s Air Flow
Storage Humidity	10% ~ 90%
Operating Humidity	10% ~ 90% (non-condensing)

Order Information	
CB5-108	CPU: AMD® Ryzen™ Embedded 8000 Processors RAM: NA Storge: NA

Giada IB5-8131

Intel® B760 Chipset Mini-ITX Motherboard

Industrial & Embedded Motherboard

- B760
- HDMI
- DP
- LVDS
- PCIe X16



Features

- Intel® LGA1700 Socket 12th/13th/14th Gen. Processors
- 1 x HDMI, 1 x DP1.4
- Up to 64 GB, 2 x U-DIMM DDR5
- 1 x M.2 for SSD, 2 x SATAIII
- 2 x RJ45, 1 x M.2 for Wi-Fi/BT

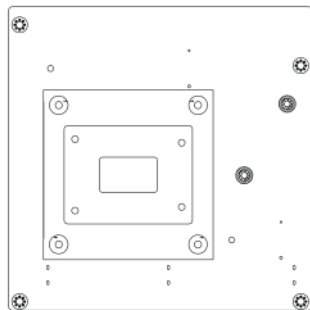
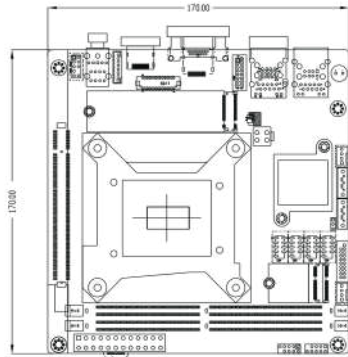
Specifications

CPU	Intel® LGA1700 Socket 12 th /13 th /14 th Gen. Processors
Chipset	B760 (Q670 / H610)
Processing Units	By CPU
TDP	≤65 W
System Memory	Up to 64 GB, 2 x U-DIMM DDR5-4800 MHz
Storage	1 x M-Key M.2 (2280) PCIe4.0 X4 for SSD, 2 x SATAIII
GPU	Intel® UHD Graphics (By CPU)
Graphic Engine	DirectX 12.1, OpenGL 4.5, OpenCL 3.0
Network Controller	1 x Intel® Ethernet Controller I225-V 1 x Realtek RTL 8111H Gigabit Ethernet
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT Support Wi-Fi 5, Wi-Fi 6/6E, (Wi-Fi 7 only 14 th CPU)
Rear I/O	2 x USB3.2 Gen2, 2 x USB2.0 1 x HDMI (Max. 4096 x 2160 @60 Hz) 1 x DP1.4 (Max. 7680 x 4320 @60Hz) Colay VGA 1 x MIC-IN, 1 x LINE-IN, 1 x AUDIO-OUT 1 x 2.5GbE RJ45, 1 x 1GbE RJ45
Internal I/O	2 x USB3.2 Gen1, signal by 2 x 10pin header 2 x USB2.0, signal by 2 x 5pin header 2 x 15pin dual channel 24bit LVDS (Max. 1920 x 1200 @60Hz) 2 x 8pin J_HDMI (Max. 4096 x 2160 @60 Hz) 1 x PCIe5.0 X16 2 x RS232, signal by 2 x 2 x 5pin header 2 x RS232/422/485, signal by 2 x 2 x 5pin header 4 x GPI, 4 x GPO, 2 x 5pin F_PANEL
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	ATX, 1 x 24pin ATX PWR_IN
Dimensions(W x D)	170mm x 170mm (6.69" x 6.69")
Cooling System	Smart fan, active cooling
Operation System	Windows 11 (64bit)/Linux Ubuntu (64bit)
Storage Temperature	-20°C ~ 75°C (-4°F ~ 167°F)
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 60°C (non-condensing)

Order Information

IB5-8131	CPU: NA Chipset: Intel® B760 Chipset RAM: NA Storage: NA
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Dimensions and Drawing



Giada IB4-271

Thin Mini-ITX SBC

Industrial & Embedded Motherboard

- Elkhart Lake
- HDMI
- DP
- LVDS
- 6xCOM
-



RoHS

Features

- Intel® Celeron® J6412 Processor
- 1 x HDMI, 1 x DP, 1 x LVDS or eDP
- Up to 32 GB, 2 x SO-DIMM DDR4
- 1 x M.2 for SSD, 2 x SATAIII
- 2 x RJ45, 1 x M.2 for Wi-Fi/BT, 1 x M.2 for 3G/4G

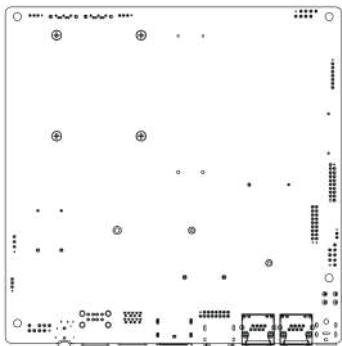
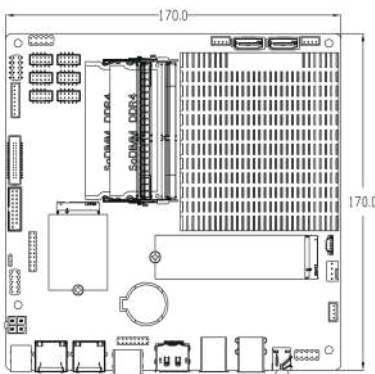
Specifications

CPU	Intel® Celeron® J6412 processor
Chipset	SoC
Processing Units	4 cores
TDP	10 W
System Memory	Up to 32 GB, 2 x SO-DIMM DDR4-3200 MHz
Storage	1 x M-Key M.2 (2280) PCIe3.0 X2 for SSD, 2 x SATAIII
GPU	Intel® UHD Graphics
Graphic Engine	DirectX, OpenGL, OpenCL, Intel® Quick Sync Video
Network Controller	2 x Realtek RTL8111H Gigabit Ethernet
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT, Support Wi-Fi 5/6 1 x B-Key M.2 (3042) for 3G/4G, 1 x SIM Slot
Rear I/O	2 x USB3.2 Gen2, 2 x USB2.0 1 x HDMI (Max. 4096 x 2160 @60 Hz) 1 x DP (Max. 4096 x 2160 @60 Hz) 1 x 2-in-1 Headset (MIC-IN & AUDIO-OUT), 2 x RJ45
Internal I/O	2 x USB3.2 Gen1, signal by 2 x 10pin header 2 x USB2.0, signal by 2 x 5pin header 2 x 15pin dual channel 24bit LVDS (Max. 1920 x 1200 @60Hz) Optional: 20pin eDP colay with LVDS 1 x 16pin J_HDMI colay with HDMI 4 x RS232, signal by 4 x 2 x 5pin header 2 x RS232/422/485, signal by 2 x 2 x 5pin header 1 x 4pin ATX PWR_IN, 2 x 4pin SATA_PWR 1 x 5pin FP_AUDIO, 4 x GPI, 4 x GPO
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN 12 V ~ 24 V
Dimensions(W x D)	170mm x 170mm (6.69" x 6.69")
Cooling System	Fanless, passive cooling
Operation System	Windows 10 (64bit) /Windows 11 (64bit) Linux Ubuntu (64bit)
Storage Temperature	-20°C ~ 75°C (-4°F ~ 167°F)
Operating Temperature	0°C ~ 60 °C (32°F ~ 140°F) @0.7m/s Air Flow
Relative Humidity	95% @ 60°C (non-condensing)
Certification	CE, FCC Class B, UKCA

Order Information

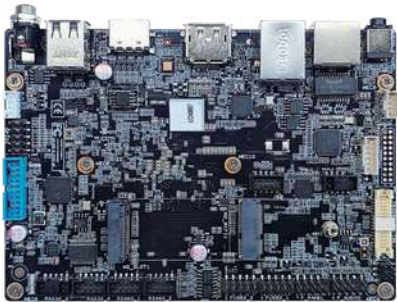
IB4-271	CPU: Intel® Celeron® J6412 processor RAM: NA Storage: NA
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Dimensions and Drawing



Giada IB3-281

3.5 Inch Alder Lake-N SBC



Specifications	
CPU	Intel® processor N97 Intel® Atom® x7211E Processor
Chipset	SoC
Processing Units	4 Cores/2 Cores
TDP	12 W/6 W
System Memory	8 GB, Onboard LPDDR5-4800 MHz (Optional: 16 GB)
Storage	1 x M-Key M.2 (2280) for PCIe3.0 X4 SSD
GPU	Intel® UHD Graphics
Graphic Engine	DirectX 12.1, OpenGL 4.6, OpenCL 3.0
Network Controller	1 x Intel® i226-V Gigabit Ethernet, 1 x Intel® i210-AT Gigabit Ethernet
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT, Support Wi-Fi 5, Wi-Fi 6/6E (CNVi)
Rear I/O	2 x USB3.2 Gen1 1 x HDMI (Max. 4096 x 2160 @60 Hz) 1 x DP (Max. 4096 x 2160 @60 Hz) colay VGA 1 x 2.5GbE RJ45, 1 x 1 GbE RJ45 1 x 2-in-1 Headset (MIC-IN & AUDIO-OUT)
Internal I/O	1 x USB3.2 Gen1, signal by 2 x 10pin header 4 x USB2.0, signal by 2 x 2 x 5pin header 2 x 15pin dual channel 24bit LVDS (Max. 1920 x 1200 @60Hz) eDP colay with LVDS 2 x RS485, signal by 2 x 5pin header 4 x RS232, signal by 4 x 5pin header 2 x 5pin F_PANEL, 1 x 4pin SPK 2 x 5pin F_AUDIO, 4 x GPI, 4 x GPO 1 x 4pin DC-IN, 1 x 6pin LVDS_BKL
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	Lockable DC-IN, 12 ~ 24 V, 45 W
Dimensions(W x D)	146mm x 102mm (5.75" x 4.02")
Cooling System	Fanless, passive cooling
Operation System	Windows 10 (64bit)/Windows 11 (64bit)/Linux (64bit)
Storage Temperature	-40°C ~ 80°C (-40°F ~ 176°F)
Operating Temperature	-20°C ~ 60°C (-4°F ~ 140°F) @0.7m/s Air Flow
Relative Humidity	95% @ 60°C (non-condensing)

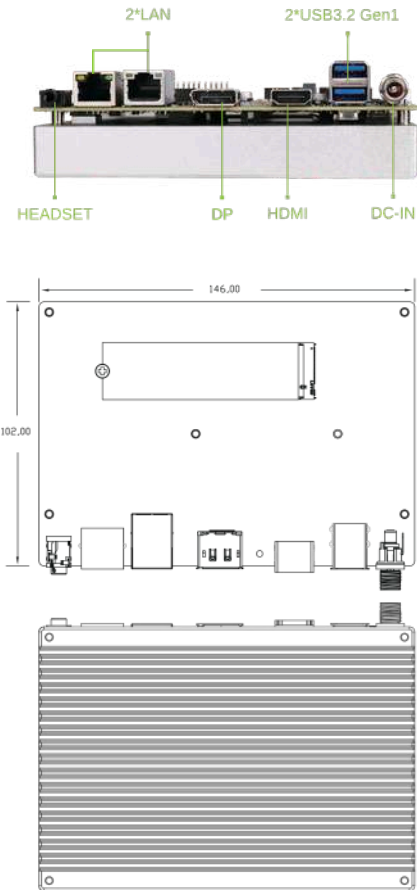
Features

- Intel® Alder Lake-N Processors
- 1 x HDMI, 1 x DP or VGA, 1 x LVDS or eDP
- 8 GB, Onboard LPDDR5, 1 Channel
- 1 x M.2 for SSD
- 2 x RJ45, 1 x M.2 for Wi-Fi/BT

Order Information

IB3-281-N9753N0G-GIA	CPU: Intel® Processor N97 RAM: 8 GB Storge: NA
IB3-281-7211E53N0G-GIA	CPU: Intel® Atom X7211E Processor RAM: 8 GB Storge: NA

Dimensions and Drawing



Giada EN-J6412DL

3.5 Inch Elkhart Lake SBC



Specifications	
CPU	Intel® Celeron® J6412 processor
Chipset	SoC
Processing Units	4 cores
TDP	10 W
System Memory	Up to 32 GB, 2 x SO-DIMM DDR4-3200 MHz
Storage	1 x M-Key M.2 (2280) PCIe3.0 X2 for SSD, 1 x SATAIII Optional: Onboard eMMC
GPU	Intel® UHD Graphics for 10 th Gen. Intel® Processors
Graphic Engine	DirectX, OpenGL, OpenCL,
Network Controller	2 x Realtek RTL8111H Gigabit Ethernet
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT 1 x B-key M.2 (3042) for 3G/4G, 1 x SIM Slot
Rear I/O	3 x USB3.2 Gen1, 3 x USB2.0 1 x HDMI (Max. 4096 x 2304 @60 Hz) 1 x DP (Max. 4096 x 2304 @60 Hz) 1 x 2-IN-1 Headset, 2 x RJ45
Internal I/O	2 x USB2.0, signal by 2 x 5pin USB header 2 x 15pin dual channel 24bit LVDS (Max. 1920 x 1080 @60 Hz) Optional: eDP colay with LVDS 1 x RS232, signal by 2 x 5pin COM header 1 x RS232/422/485, signal by 2 x 5pin COM header 1 x 4pin SPEAKER, 2 x 5pin GPIO, 4GPI, 4GPO 2 x 4pin F_PANEL, 1 x 3pin CLR_CMOS 1 x 7pin INVERTER, 1 x 4pin SATA_PWR 1 x 4pin SYS_FAN
TPM	Optional: TPM2.0
JAHC	Watchdog Timer, Auto Power On, RTC
Power Requirement	DC-IN 12 V ~ 24 V
Dimensions(W x D)	146mm x 102mm (5.75" x 4.02")
Cooling System	Smart fan, active cooling
Operation System	Windows 10 (64bit)/Windows 11 (64bit)/Linux (64bit)
Storage Temperature	-40°C ~ 75°C (-40°F ~ 185°F)
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 60°C (non-condensing)

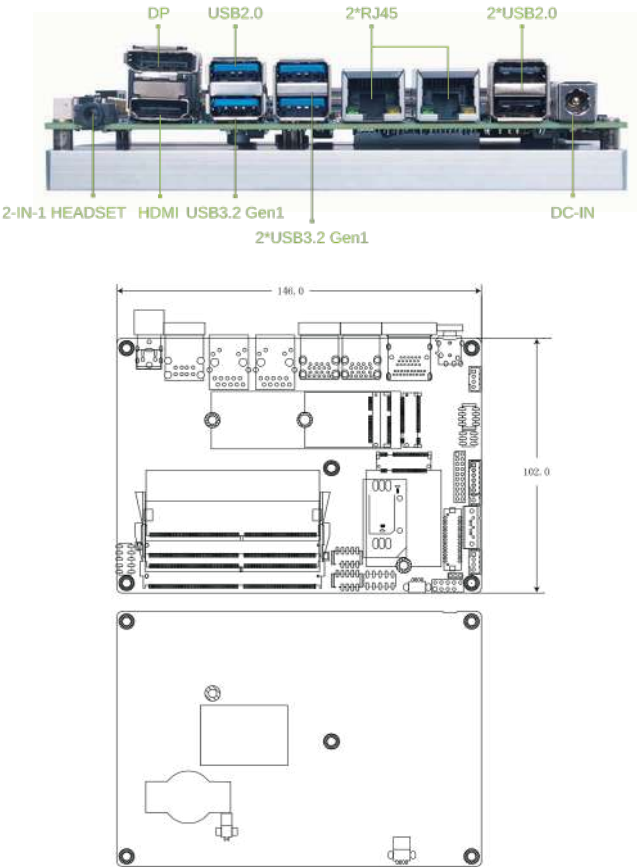
Features

- Intel® Celeron® J6412 Processor
- 1 x HDMI, 1 x DP, 1 x LVDS or eDP
- Up to 32 GB, 2 x SO-DIMM DDR4
- 1 x M.2 for SSD, 1 x SATAIII,
Optional: Onboard eMMC
- 2 x RJ45, 1 x M.2 for Wi-Fi/BT, 1 x M.2 for 3G/4G

Order Information

EN-J6412DL	CPU: Intel® Celeron® J6412 processor RAM: NA Storge: NA
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Dimensions and Drawing



[Learn More](#)

Giada IB3-771

Small Form-factor ARM SBC

- ARM
- 8K
- HDMI
- HDMI IN
- eMMC



Single Board Computer

Features

- Rockchip® RK3588 Processor
- 2 x HDMI, 1 x HDMI-IN
- 8GB, Onboard LPDDR4x, 2 Channels
- 64 GB, Onboard eMMC, 1 x SATAIII, 1 x TF Card Reader
- 2 x RJ45, Onboard Wi-Fi/BT Module, 1 x Full-size Mini-PCIe for 3G/4G

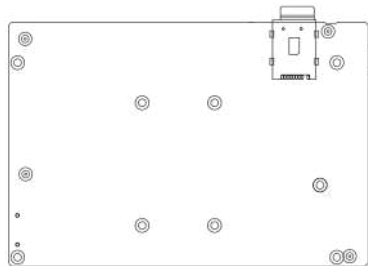
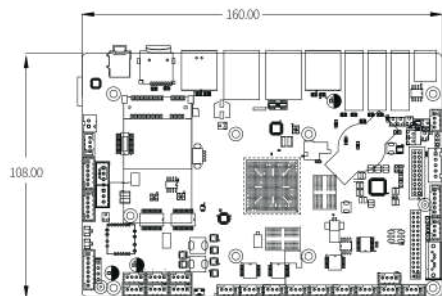
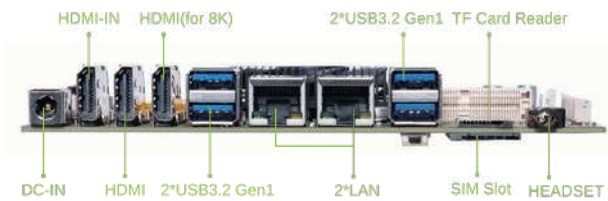
Specifications

CPU	Rockchip® RK3588 processor
Processing Units	4 Cores Cortex-A76 & 4 Cores Cortex-A55
TDP	15 W
System Memory	4 GB/8 GB, Onboard LPDDR4x-4266 MHz, 2 Channels
Storage	64 GB, Onboard eMMC (Optional: 16/32 GB) 1 x SATAIII, 1 x TF Card Reader
GPU	ARM Mali-G610 MC4
Graphic Engine	OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1
Network Controller	1 x Realtek RTL8211E Gigabit Ethernet 1 x Realtek RTL8111H Gigabit Ethernet
Wireless	Onboard Wi-Fi/BT module (2.4GHz/5GHz) 1 x Full-size Mini-PCIe for 3G/4G, 1 x SIM Slot
Rear I/O	1 x USB3.2 Gen1 OTG, 3 x USB3.2 Gen1 1 x HDMI (Max. 7680 x 4320 @60 Hz) 1 x HDMI (Max. 3840 x 2160 @60 Hz) 1 x HDMI-IN (Max. 3840 x 2160 @60 Hz) 1 x 2-IN-1 Headset (AUDIO-OUT & MIC-IN) 2 x RJ45, 1 x Power on, 1 x Recovery
Internal I/O	6 x USB2.0, signal by 6 x 4pin USB header 1 x 20pin eDP 2 x 15pin dual channel 24bit LVDS (Max. 1920 x 1200 @24 Hz) 1 x MIPI-CSI jack 2 x 4pin RS232 header, 2 x 4pin RS485 header 2 x 4pin TTL, 1 x 8pin IO-KEY, 1 x 3pin IR 1 x 2pin MIC-IN, 1 x 4pin SPK, 1 x 2pin SPK 1 x 6pin TP_I2C, 1 x 4pin DC-IN
WatchDog Timer	Yes
JAHC	Auto Power On, RTC
Power Requirement	DC-IN 12 V/2.08 A
Dimensions(W x D)	160mm x 108mm (6.30" x 4.25")
Cooling System	Smart fan, active cooling
Operation System	Android 12
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 60°C (non-condensing)

Order Information

IB3-771	CPU: Rockchip® RK3588 processor RAM: 8 GB Storage: 64 GB Wi-Fi/BT: Onboard Wi-Fi/BT module
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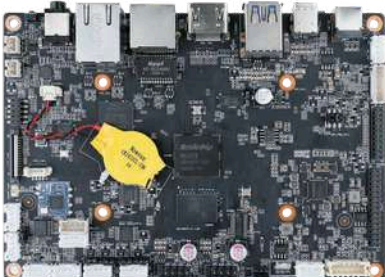
Dimensions and Drawing



Giada IB3-708

3.5 Inch ARM SBC

- ARM
- HDMI
- LVDS
- eDP
- eMMC



Single Board Computer

Features

- Rockchip® RK3576 Processor
- 1 x HDMI, 1 x LVDS, 1 x eDP
- 4 GB, Onboard LPDDR4/LPDDR4x, 2 Channels
- 32 GB, Onboard eMMC, 1 x TF Card Reader
- 2 x RJ45, Onboard Wi-Fi/BT Module

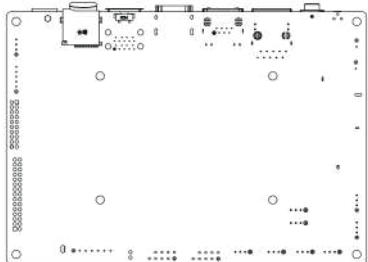
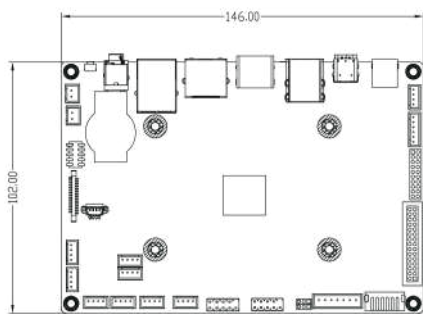
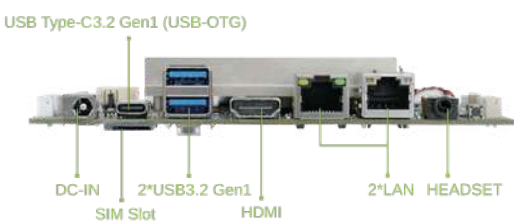
Specifications

CPU	Rockchip® RK3576 processor
Processing Units	4 x Cortex-A72 & 4 x Cortex-A53
NPU	6 TOPS RKNN
TDP	6 W
System Memory	4 GB, Onboard LPDDR4x, 2 Channels
Storage	32 GB, Onboard eMMC, 1 x TF Card Reader
GPU	ARM Mali-G52 MC3
Graphic Engine	OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1
Network Controller	2 x Realtek RTL8211F Gigabit Ethernet
Wireless	Onboard Wi-Fi/BT module
Rear I/O	2 x USB3.2 Gen1 1 x USB Type-C3.2 Gen1 (USB-OTG, Max. 3840 x 2160 @120 Hz) 1 x HDMI (Max. 3840 x 2160 @120 Hz) 1 x 2-IN-1 Headset (AUDIO-OUT & MIC-IN) 2 x 1 GbE RJ45 1 x Power on, 1 x Recovery
Internal I/O	4 x USB2.0, signal by 2 x 2pin USB header 2 x 10pin eDP 2 x 15pin dual channel 24bit LVDS (Max. 1920 x 1200 @24 Hz) 1 x MIPI-CSI jack 2 x RS232, signal by 2 x 4pin header 2 x RS485, signal by 2 x 4pin header 2 x TTL/RS232, signal by 2 x 4pin header 1 x 8pin GPIO 1 x 2pin MIC-IN, 1 x 2pin SPK 1 x 7pin LED/IR, 1 x TP_I2C
WatchDog Timer	Yes
JAHC	Auto Power On, RTC
Power Requirement	DC-IN 12 V/2.08 A
Dimensions(W x D)	146mm x 102mm (5.75" x 4.02")
Cooling System	Fanless, passive cooling
Operation System	Android 14, Debian 12
Storage Temperature	-20°C ~ 75°C (-4°F ~ 167°F)
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 60°C (non-condensing)

Order Information

IB3-708	CPU: Rockchip® RK3576 processor RAM: 4 GB Storage: 32 GB Wi-Fi/BT: Onboard Wi-Fi/BT module
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Dimensions and Drawing



Giada IB3-761

3.5 Inch ARM SBC

Single Board Computer

- ARM
- HDMI
- VGA
- LVDS
- eDP



Features

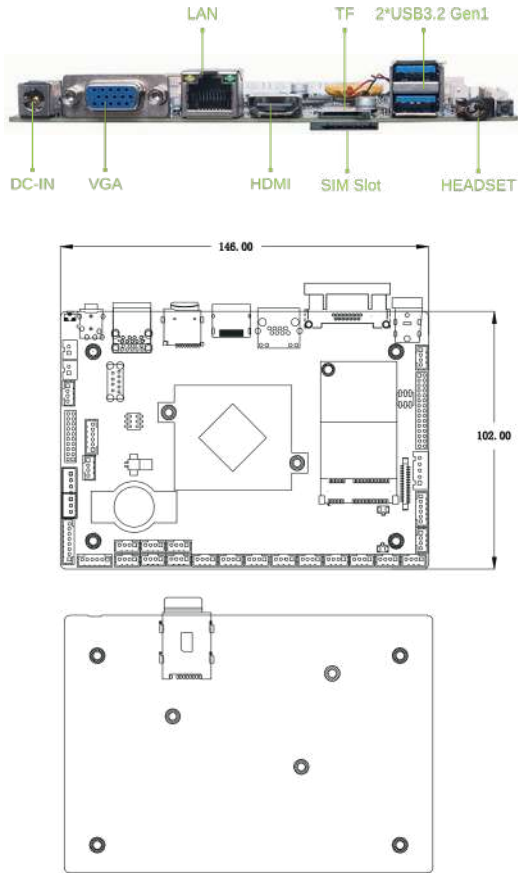
- Rockchip® RK3568 Processor
- 1 x HDMI, 1 x VGA, 1 x LVDS or eDP
- 2 GB, Onboard DDR4, 2 Channels
- 32 GB, Onboard eMMC, 1 x TF Card Reader
- 1 x RJ45, Onboard Wi-Fi/BT Module, 1 x Mini-PCle for 3G/4G

Specifications	
CPU	Rockchip® RK3568 processor
Processing Units	4 Cores Cortex-A55
TDP	6 W
System Memory	2 GB, Onboard DDR4-2133 MHz, 2 Channels (Optional: 4 GB)
Storage	32 GB, Onboard eMMC (Optional: 64 GB) 1 x TF Card Reader
GPU	ARM G52 2EE
Graphic Engine	OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1
Network Controller	1 x Realtek RTL8211E Gigabit Ethernet
Wireless	Onboard Wi-Fi/BT module (2.4GHz/5GHz) 1 x Full-size Mini-PCle for 3G/4G, 1 x SIM Slot
Rear I/O	1 x USB3.2 Gen1, 1 x USB3.2 Gen1 OTG 1 x HDMI(Max. 3840 x 2160 @60 Hz) 1 x VGA(Max. 1920 x 1080 @60 Hz) 1 x 2-IN-1 Headset (AUDIO-OUT & MIC-IN) 1 x RJ45
Internal I/O	1 x USB3.2 Gen1, signal by 2 x 10pin USB header 9 x USB2.0, signal by 9 x 4pin USB header 1 x MIPI-CS1 2 x RS232, signal by 2 x 4pin header 2 x RS485, signal by 2 x 4pin header 2 x TTL, signal by 2 x 4pin header 2 x 15pin dual channel 24bit LVDS (Max.1920 x 1200@24 Hz) 1 x 20pin eDP (Max. 1920 x 1080 @60Hz) 1 x 8pin GPIO, 1 x 6pin TP_ I2C, 1 x 8pin IO-Key 1 x 4pin SPK
WatchDog Timer	Yes
JAHC	Auto Power On, RTC
Power Requirement	DC-IN 12 V
Dimensions(W x D)	146mm x 102mm (5.75" x 4.02")
Cooling System	Fanless, passive cooling
Operation System	Android 11
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 60°C (non-condensing)

Order Information

IB3-761	CPU: Rockchip® RK3568 processor RAM: 2 GB Storage: 32 GB Wi-Fi/BT: Onboard Wi-Fi/BT module
---------	---

Dimensions and Drawing



Giada IB2-281

2.5 Inch Alder Lake-N Pico-ITX SBC

Single Board Computer

- Alder Lake-N
- HDMI
- LVDS
-



Features

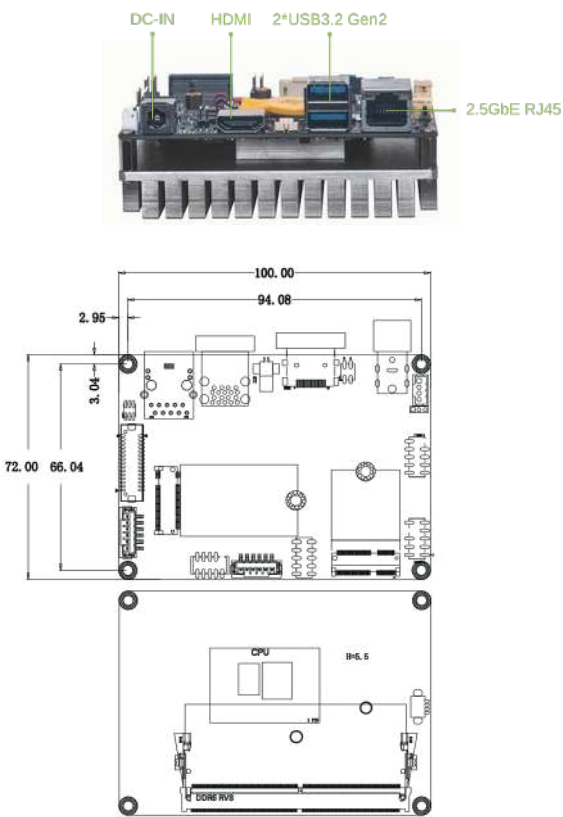
- Intel® Alder Lake-N processors
- 1 x HDMI, 1 x LVDS
- Up to 16 GB, 1 x SO-DIMM DDR5
- 1 x M.2 for SSD
- 1 x 2.5GbE RJ45, 1 x M.2 for Wi-Fi/BT

Specifications	
CPU	Intel® Atom® x7211E Porcessor Intel® Processor N100 Intel® Core i3-N305 Processor
Chipset	SoC
Processing Units	2 Cores/4 Cores/4 Cores
TDP	6 W /6 W /9 W
System Memory	Up to 16 GB, 1 x SO-DIMM DDR5-4800 MHz
Storage	1 x M-Key M.2 (2242) PCIe3.0 X4 for SSD
GPU	Intel® UHD Graphics
Graphic Engine	DirectX 12.1, OpenGL 4.6, OpenCL 3.0
Network Controller	1 x Intel® Ethernet Controller I226-V
Wireless	1 x E-Key M.2 (2230) for Wi-Fi/BT
Rear I/O	2 x USB3.2 Gen2 (10 Gbps) 1 x HDMI (Max. 3840 x 2160 @60 Hz) 1 x 2.5GbE RJ45
Internal I/O	2 x USB2.0, signal by 2 x 5pin USB header 2 x 15pin dual channel 24bit LVDS (Max. 1920 x 1200 @60 Hz) 1 x RS232, signal by 2 x 5pin COM header 1 x TP_I2C 4 x GPI, 4 x GPO 2 x 5pin F_Audio 1 x 4pin F_Panel, 1 x 6pin INVERTER, 1 x 4pin DC-IN
JAHC	Auto Power On
Power Requirement	DC-IN 12 V
Dimensions(W x D)	100mm x 72mm (3.94" x 2.83")
Cooling System	Fanless, passive cooling
Operation System	Windows 10 (64bit)/Windows 11 (64bit) Linux Ubuntu (64bit)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 60°C (non-condensing)

Order Information

IB2-281-X7211E	CPU: Intel® Atom® x7211E Porcessor RAM: NA Storage: NA
IB2-281-N100	CPU: Intel® Processor N100 RAM: NA Storage: NA
IB2-281-N305	CPU: Intel® Core™ i3-N305 Processor RAM: NA Storage: NA

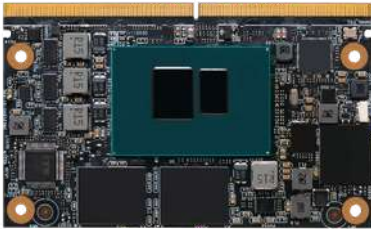
Dimensions and Drawing



Giada iM1-210

Intel® Amston Lake SMARC Module

Computer-on-module



Features

- Intel® Amston Lake processors
- 1 x HDMI, 1 x DP, 1 x LVDS or eDP
- Up to 16 GB, Onboard LPDDR5
- 8 x USB

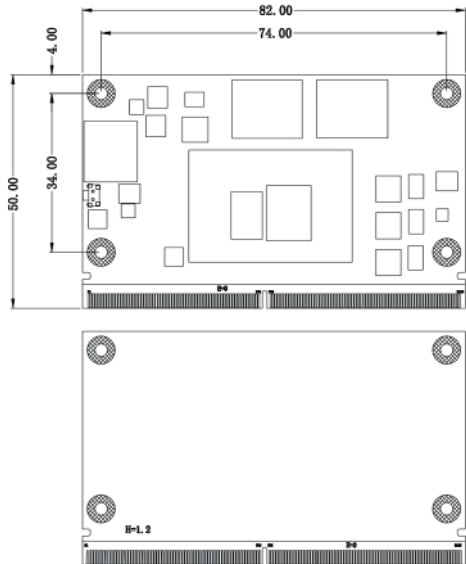
Specifications

CPU	Intel® Atom X7211RE Processor Intel® Atom X7433RE Processor
Chipset	SoC
Processing Units	2 Cores/4 Cores
TDP	6 W/9 W
System Memory	8 GB/16 GB, Onboard LPDDR5-4800 MHz
Storage	64 GB, Onboard eMMC (Optional: 32 GB) 1 x SATAIII
GPU	Intel® UHD Graphics
Display	1 x HDMI (Max. 4096 x 2160 @60 Hz) 1 x DP (Max. 4096 x 2160 @60 Hz) 1 x Dual-channel LVDS (Max. 1920 x 1080 @60 Hz) eDP colay with LVDS
Audio	HDA/2 x I2S
Ethernet	2 x 2.5 Gigabit Ethernet, support TSN
USB	2 x USB3.2 Gen2, 6 x USB2.0
Serial Port	2 x 4-wire UART, 2 x 2-wire UART 1 x SPI, 1 x I2C
SMbus	1 x SMbus
CAN	2 x CAN-FD
GPIO	Up to 14 GPIOs
Power Requirement	DC-IN 5 V
Dimensions(W x D)	82mm x 50mm (3.23" x 1.97")
Operation System	Windows 11 / Linux (64bit)
Storage Temperature	-55°C ~ 150°C (-67°F ~ 302°F)
Operating Temperature	-40°C ~ 85°C (-40°F ~ 185°F) @0.7m/s Air Flow
Storage Humidity	5% ~ 95% (non-condensing)
Operating Humidity	5% ~ 90% (non-condensing)

Order Information

iM1-210	CPU: Intel® Amston Lake Processors RAM: 8 GB, Onboard LPDDR5 Stoarge: 64 GB, Onboard eMMC
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Dimensions and Drawing



Giada iM1-707

ARM SMARC V2.1.1 Module

Computer-on-module



Features

- Rockchip® RK3588/RK3588J processors
- 1 x HDMI, 1 x DP, 1 x eDP, 1 x LVDS or MIPI-DSI
- 64 GB, Onboard eMMC
- 6 x USB

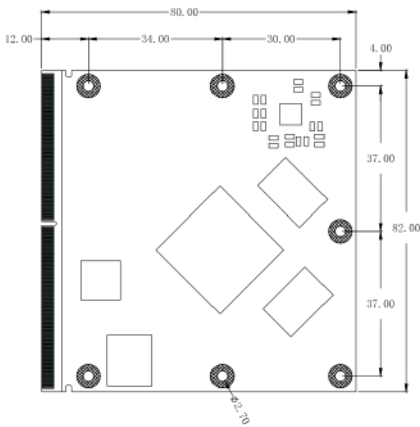
Specifications

CPU	Rockchip® RK3588 processor Rockchip® RK3588J processor
Processing Units	4-Cores Cortex-A76 and 4-Cores Cortex-A55
TDP	15 W
System Memory	8 GB, Onboard LPDDR4/LPDDR4x
Storage	64 GB, Onboard eMMC 1 x SATAIII
GPU	ARM Mali-G610 MP4 GPU
Display	1 x HDMI (Up to 7680 x 4320 @60 Hz) 1 x DP (Up to 7680 x 4320 @60 Hz) 1 x eDP (Up to 3840 x 2160 @60 Hz) 1 x Dual-channel LVDS (Up to 1920 x 1200@24 Hz) 1 x MIPI-DSI (shared with LVDS)
Camera	1 x 2-lane MIPI-CSI, 1 x 4-lane MIPI-CSI
Audio	1 x I2S
Wi-Fi/BT	1 x SDIO3.0
Ethernet	2 x 10/100/1000 Mbps Ethernet, Support TSN
USB	2 x USB3.2 Gen1, 3 x USB2.0, 1 x USB2.0 OTG
Serial Port	2 x 4-wire UART, 2x 2-wire UART 2 x SPI, 5 x I2C
CAN	2 x CAN-FD
GPIO	14 x GPIO
TPM	Optional: TPM2.0
Power Requirement	DC-IN 5 V, supports 3.6 ~5.25V
Dimensions(W x D)	82mm x 80mm (3.23" x 3.15")
Operation System	Android 14/Debian 12
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Temperature	RK3588: 0°C ~60°C (32°F ~140°F) @0.7m/s Air Flow RK3588J: -20°C ~70°C (-4°F ~158°F) @0.7m/s Air Flow
Storage Humidity	5% ~ 95% (non-condensing)
Operating Humidity	5% ~ 90% (non-condensing)

Order Information

iM1-707-3588	CPU: Rockchip® RK3588 processor RAM: 8 GB, Onboard LPDDR4x Stoarge: 64 GB, Onboard eMMC
iM1-707-3588J	CPU: Rockchip® RK3588J processor RAM: 8 GB, Onboard LPDDR4x Stoarge: 64 GB, Onboard eMMC

Dimensions and Drawing



Giada iM1-9931

NXP i.MX 93 CPU SMARC V2.1.1 Module

Computer-on-module

SMARC

LVDS

MIPI-DSI



Features

- NXP i.MX93 Family Processors
- 1 x LVDS, 1 x MIPI-DSI or HDMI
- 2 GB, Onboard LPDDR4x
- 4 x USB

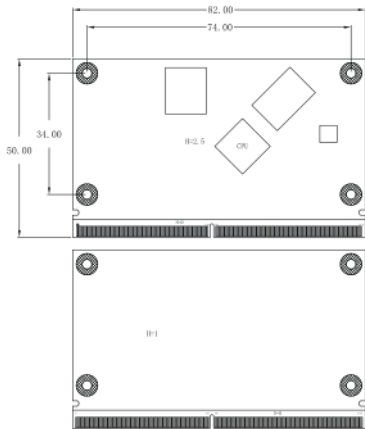
Specifications

CPU	NXP i.MX93 Processors
Multicore Processing	1-2x ARM Cortex-A55 @1.7 GHz ARM Cortex-M33 @250 MHz ARM Ethos™ U-65 microNPU
System Memory	1 GB/2 GB, Onboard LPDDR4x
Storage	32 GB, eMMC (Optional: 64 GB)
GPU	Hardware Compositor for Bleding/Composition, Resize, Color Space Conversion
Display	1 x Single-channel LVDS (Max. 1280 x 720 @60 Hz) 1 x 4-lane MIPI-DSI (Max. 1920 x 1080 @60 Hz) 1 x HDMI (Max. 1920 x 1080 @60Hz), MIPI-DSI colay with HDMI
Camera	1 x 2-lane MIPI-CSI (Max. 1920 x 1080 @60 Hz)
Audio	2 x I2S
Wi-Fi/BT	1 x SDIO3.0
Ethernet	2 x 10/100/1000 Mbps Ethernet
USB	1 x USB2.0 OTG, 3 x USB2.0
Serial Port	2 x 4-wire UART, 2 x 2-wire UART 2 x SPI, 5 x I2C
CAN	2 x CAN-FD
GPIO	Maximum 12 x GPIO
USB	1 x USB2.0 OTG, 4 x USB2.0
TPM	Optional: TPM2.0
Power Requirement	DC-IN 5 V, supports 3.6 ~5.25V
Dimensions(W x D)	82mm x 50mm (3.23" x 1.97")
Operation System	Yocto 4.2/Yocto 5.0.4
Storage Temperature	-45°C ~ 90°C (-49°F ~ 194°F)
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F) @0.7m/s Air Flow
Storage Humidity	5% ~ 95% (non-condensing)
Operating Humidity	5% ~ 90% (non-condensing)

Order Information

iM1-9931	CPU: NXP i.MX93 family CPU RAM: 2 GB, Onboard LPDDR4x Stoarge: 32 GB, Onboard eMMC
Optional	Carrier Board: Giada IB3-9931

Dimensions and Drawing



Giada iM1-993

NXP i.MX 93 CPU SMARC V2.1.1 Module

Computer-on-module

SMARC

HDMI

LVDS

MIPI-DSI



Features

- NXP i.MX93 Family Processors
- 1 x LVDS, 1 x MIPI-DSI or HDMI
- Up to 2 GB, Onboard LPDDR4x
- 4 x USB

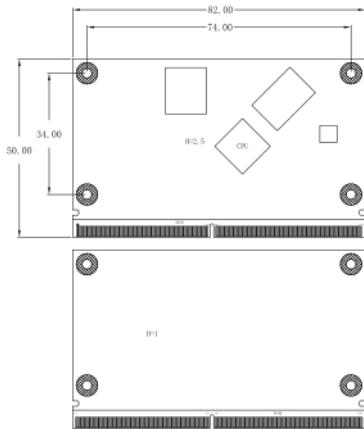
Specifications

CPU	NXP i.MX93 Processors
Multicore Processing	1-2x ARM Cortex-A55 @1.7 GHz ARM Cortex-M33 @250 MHz ARM Ethos™ U-65 microNPU
System Memory	Up to 2 GB, Onboard LPDDR4x
Storage	32 GB, eMMC (Optional: 64 GB)
GPU	Hardware Compositor for Bleding/Composition, Resize, Color Space Conversion
Display	1 x 4-lane MIPI-DSI (Max. 1920 x 1080 @60 Hz) 1 x Single-channel LVDS (Max. 1280 x 720 @60 Hz) Optional: MIPI-DSI colay with HDMI (Max. 1920 x 1080 @60 Hz)
Camera	1 x 2-lane MIPI-CSI (1920 x 1080 @60 Hz)
Audio	2 x I2S
Wi-Fi/BT	1 x SDIO3.0
Ethernet	2 x 10/100/1000 Mbps Ethernet
USB	1 x USB2.0 OTG, 3 x USB2.0
Serial Port	2 x 4-wire UART, 2 x 2-wire UART 2 x SPI, 5 x I2C
CAN	2 x CAN-FD
GPIO	Maximum 12 x GPIO
USB	1 x USB2.0 OTG, 4 x USB2.0
TPM	Optional: TPM2.0
Power Requirement	DC-IN 5 V, supports 3.6 ~ 5.25V
Dimensions(W x D)	82mm x 50mm (3.23" x 1.97")
Operation System	Yocto 4.2/Yocto 5.0.4
Storage Temperature	-55°C ~ 150°C (-67°F ~ 302°F)
Operating Temperature	-40°C ~ 85°C (-40°F ~ 185°F) @0.7m/s Air Flow
Storage Humidity	5% ~ 95% (non-condensing)
Operating Humidity	5% ~ 90% (non-condensing)

Order Information

iM1-993	CPU: NXP i.MX93 family CPU RAM: 2 GB, Onboard LPDDR4x Stoarge: 32 GB, Onboard eMMC
Optional	Carrier Board: Giada IB3-993

Dimensions and Drawing



Giada IB5-210

Mini-ITX SMARC Carrier Board

Carrier Board



Features

- Supporting SMARC V2.1.1 Modules
- 1 x HDMI, 1 x LVDS
- 1 x M.2 for SSD, 1 x SATAIII
- 1 x M.2 for Wi-Fi/BT, 1 x M.2 for 3G/4G, 1 x SIM Slot

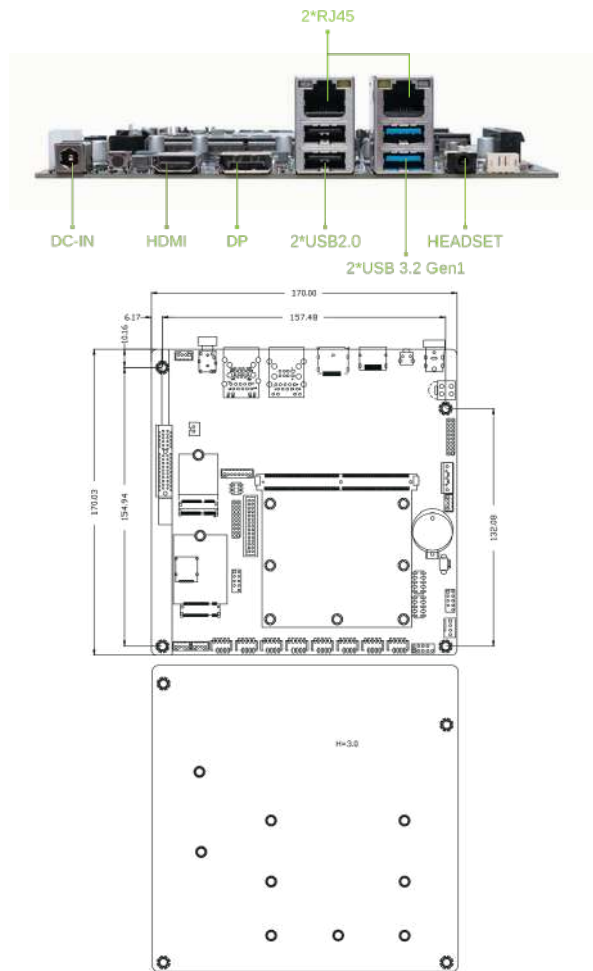
Specifications

Compatible Module	SMARC v2.1.1 Module
System Memory	By SMARC v2.1.1 Module
Storage	1 x SATAIII
Network Controller	By SMARC v2.1.1 Module
Wireless	1 x M.2(2230) for Wi-Fi/BT 1 x M.2(3042) for 3G/4G, 1 x SIM Slot
Rear I/O	2 x USB2.0, 2 x USB3.2 Gen1 1 x HDMI (Max.4096 x 2160 @60Hz) 1 x DP (Max. 4096 x 2160 @60Hz) 1 x 2-IN-1 Headset, 2 x 2.5GbE RJ45 (Support TSN)
Internal I/O	2 x 15pin single channel LVDS (Max. 1920 x 1200 @60Hz) 2 x 10pin eDP colay LVDS 1 x 2lanes MIPI-CSI 1 x PCIe3.0 X2, single by 1 x PCIe X4 4 x USB2.0, single by 2 x 2 x 5pin header 4 x RS232, single by 4 x 2 x 5pin header 2 x RS485, single by 2 x 2 x 5pin header 14pin GPIO, single by 2 x 10pin header, 1 x 4pin I2C, 2 x CAN 2 x 5pin SPI, 1 x 4pin SMBus 2 x 5pin F_AUDIO, 1 x 4pin SPK, 1 x 2pin MIC 1 x 4pin SYS_FAN, 1 x 4pin CPU_FAN 1 x 3pin CLR_CMOS 2 x 2pin ATX
TPM	By SMARC v2.1.1 Module
Power Requirement	DC-IN 12 V ~ 24 V
Dimensions(W x D)	170mm x 170mm (6.69" x 6.69")
Cooling System	Smart fan, active cooling
Storage Temperature	-55°C ~ 150°C (-67°F ~ 302°F)
Operating Temperature	-40°C ~ 85°C (-40°F ~ 185°F) at 0.7 m/s Air Flow
Relative Humidity	95% @ 60°C (non-condensing)

Order Information

IB5-210	Compute Module: NA RAM: NA Stoarge: NA
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Dimensions and Drawing



Giada IB3-9931/IB3-993

3.5 Inch SMARC Carrier Board

Carrier Board



Features

- Supporting SMARC V2.1.1 Modules
- 1 x LVDS, 1 x MIPI-DSI or HDMI
- 1 x M.2 for 3G/4G, 1 x Nano SIM Slot

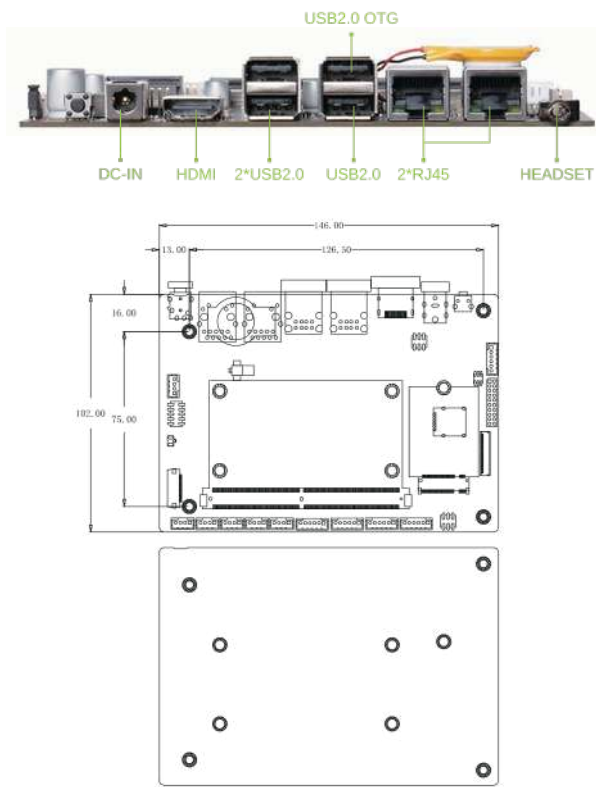
Specifications

Compatible Module	SMARC v2.1.1 Module
System Memory	By SMARC v2.1.1 Module
Storage	By SMARC v2.1.1 Module
Network Controller	By SMARC v2.1.1 Module
Wireless	Onboard Wi-Fi/BT Module 1 x M-Key M.2 (3042) for 3G/4G, 1 x Nano SIM Slot
Rear I/O	3 x USB2.0, 1 x USB2.0 OTG 1 x HDMI (Max.3840 x 2160 @30 Hz) MIPI-DSI colay with HDMI 1 x 2-IN-1 Headset, 2 x 1GbE RJ45
Internal I/O	2 x 10pin single channel LVDS (Max. 1280 x 720 @60 Hz) 1 x 4lane MIPI-DSI (Max. 1920 x 1080 @60Hz) 1 x RS232, signal by 1 x 4pin header 2 x RS485, signal by 2 x 4pin header 1 x 4pin SPEAKER 1 x MIPI-CSI, 2 x 5pin GPIO, 4GPI, 4GPO 2 x 4pin CAN-FD, 2 x 6pin SPI, 2 x 6pin TP_I2C 1 x 6pin uboot SEL
TPM	By SMARC v2.1.1 Module
Power Requirement	DC-IN 9 V ~ 36 V
Dimensions(W x D)	146mm x 102mm (5.74" x 4.02")
Cooling System	Fanless, passive cooling
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F) (IB3-9931) -55°C ~ 150°C (-67°F ~ 302°F) (IB3-993)
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F) at 0.7 m/s Air Flow (IB3-9931) -40°C ~ 85°C (-40°F ~ 185°F) at 0.7 m/s Air Flow (IB3-993)
Relative Humidity	95% @ 60°C (non-condensing)

Order Information

IB3-9931	SMARC Module: Giada iM1-9931 RAM: NA Stoarge: NA Wi-Fi/BT: RTL8723DS module
IB3-993	SMARC Module: Giada iM1-993 RAM: NA Stoarge: NA Wi-Fi/BT: BL-M8821CS2 module

Dimensions and Drawing





Have a question for our team?

If you need any additional information or wish to discuss your project with us in more detail then we would love to hear from you!

CONTACT US

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