AN708

ARM HMI PANEL PC

Rockchip®
RK3576 processor

10.1inch, 10 points-touch screen
1280 x 800 @60 Hz

Android 14 OS

0°C ~ 50°C (32°F~122°F)
Embedded temperature

Display

Display Resolution	1200 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

System

CPU	Rockchip® RK3576 processor
Processing Units	4 x Cortex-A72 & 4 x Cortex-A53
NPU	6 TOPS RKNN
TDP	6 W
GPU	ARM Mali-G52 MC3
Graphic Engine	OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1
Multi-Media	8K30 H.264/H.265/VP9/AV2/AVS2 Decoder
	4K60 H.264/H.265 Encoder
System Memory	4GB, Onboard LPDDR4/LPDDR4x
Storage	32 GB, Onboard eMMC
	1 x MicroSD slot
Cooling System	Fanless, passive cooling
Power Requirement	DC-IN 5.5*2.5, 12 V/3 A
Dimensions	267.5mm x 186mm x 41.5mm (10.53" x 7.32" x 1.63")
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 ~70°C (-4°F~167°F)
Humidity	95% @ 60°C (non-condensing)

Touch

Type	Capacitivetouchscreen,FullLamination
Input	10points-touch, fingerandstylusinput
Resolution (DPI)	500 DPI
Hardness	≥6H

I/O

USB	1 x Type-C(OTG, DP, USB3.2 Gen1)
	2 x USB3.2 Gen1
HDMI-output	1 x HDMI (Max. 3840 x 2160 @120 Hz)
Camera	1 x Camera(optional)
Ethernet	2 x RJ45
COM	2 x RS232
Audio	1 x MIC-IN, 1 x speaker, 1 x 2-IN-1 Headset
Ethernet	1 x RJ45
GPIO	14pin phoenix contact, 8 x GPIO
Button	1 x Power on, 1 x Recovery
Antenna	2 x Connector for Wi-Fi/BT

Network

Network Controller	2 x Realtek RTL8211F Gigabit Ethernet
Wi-Fi/BT	Onboard Wi-Fi/BT module,
	supports Wi-Fi6 2.4GHz/5GHz, Bluetooth5.4
Cellular Network	NA

Order information

AN708-3576U42N5G-GIA	CPU: Rockchip RK3576
	RAM: 4 GB, Onboard LPDDR4
	Storage: 32 GB, Onboard eMMC
	Wi-Fi/BT: Onboard Wi-Fi/BT module
	Operation System: Android14

android   HDMI™