

NEW

in-TOUCH
Retail

Interactive Smart Shelf



* LD230EKS-FPN1

“ Real Smart Shelf is here ”

- 23.1" Full Screen in-TOUCH Display
- 700nit High Brightness
- Android based platform
- Slim and Light



1st in-cell TOUCH Shelf

Interactive Smart Shelf is World's 1st TOUCH Shelf driven by in cell TOUCH. It will provide your customers with new Shopping Experience.



More Information

ISS helps you search Every information In need. It can show you more and better whatever you want. More and better benefits!



More Return

ISS brings retailers more ROI and can open new Eco system following Big data/Marketing/Strategy partners. More Values coming up!



Big Data

ISS itself can gather Big data from Customer in retail. (Touch/Select /Watch) These sales data help Retailer's to make next step for marketing and promotion

www.lgdisplay.com

NEW

in-TOUCH
Retail

Other Available Application

2020 NEW

23"

World's 1st Full Touch Stretch LCD

Interactive Smart Shelf



Retail Shop

Smart Table Order



Restaurant

Smart Elevator Button



Elevator

Smart Mirror



Furniture

Specification (Model No : LD230EKS-FPN1)

System	
OS	Android 7.1.2
CPU	ARM®Cortex™-A17 , Quad-core, 1.6GHz
GPU	ARM Mali-T764 500MHz
RAM	DDR3 1GByte
Storage	eMMC 8GByte
Network	WLAN 802.11 b/g/n (2.4GHz)
Bluetooth	BT 4.2 (Profile : A2DP, HID)
Connectivity	Micro USB 2.0 (Host 1ea, OTG 1ea)
Signal Output	Micro HDMI

Display	
Display type	23.1" TFT-LCD (IPS), edge LED Back-light
Touch	in-TOUCH (P-Cap in-cell Touch)
Active Area	585.56 x 48.18mm
Resolution	1920 x 158
Display Colors	16.7 Million colors
Luminance, White	700cd/m ² (Typ.)
Viewing Angle (CR>10)	Viewing angle free (R/L 178 (Min.), U/D 178 (Min.))
Bezel (mm, L/R/U/D)	4.1/4.1/5.6/9.6mm
Life time (LED Backlight)	50,000hrs
Panel Surface	Anti-Glare, 4H

Touch	
Accuracy (Φ8)	≤ 3.0mm (max)
Latency (Φ8)	≤ 45ms (Touch down), ≤ 35ms (Panning)
Multi Touch	≤ 10 points

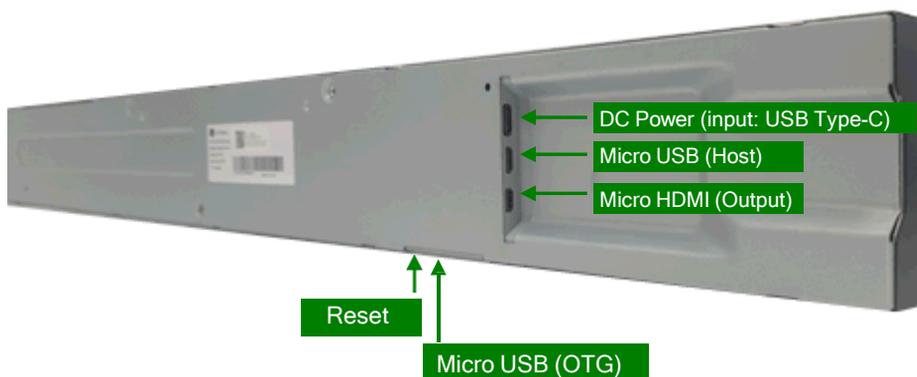
Mechanical	
Outline Dimension	593.8 (H) x 63.4 (V) x 19.6mm(D)
Weight	0.82Kg (Typ.)
Possible Display Type	Landscape / Portrait
Packing Dimension	660 x 210 x 219mm (L x W x H)
Cabinet Color	Black

Power Requirements	
Input Power Frequency	AC100-240V@50/60Hz
Output Voltage	12V
Output Current	3A
Output Power Connector to ISS product	USB Type C (Power Only)

Video Codec		
Image	Decoder	JPEG, BMP, GIF, PNG
	Encoder	JPEG
Video	Decoder	MPEG-1/2, MVC, GOOGLE VP8, H.263, MOTION JPEG
	Encoder	VP8
Audio	Decoder	MPEG Audio, WAV Audio, OGG Audio, FLAC Audio, MIDI Audio
	Encoder	AMR Audio

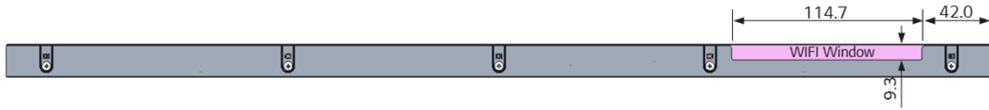
Environmental	
Operation Temperature	0°C~45°C
Operation Humidity	10~80%RH
Storage Temperature	-20°C~60°C
Warranty	18 month

Product image

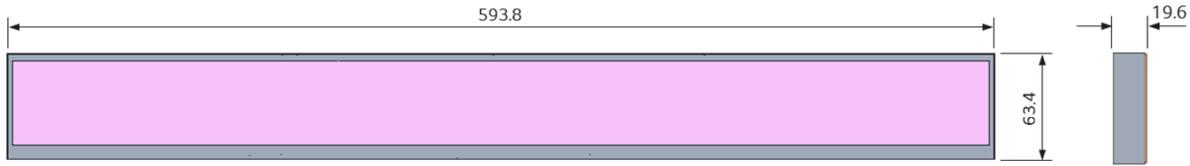


Dimension View [unit : mm]

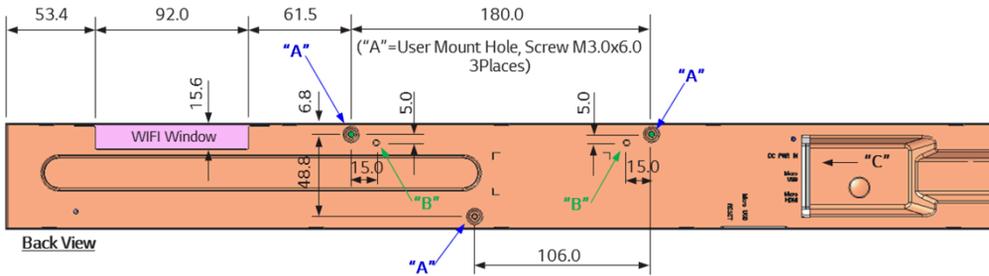
Top View



Front View



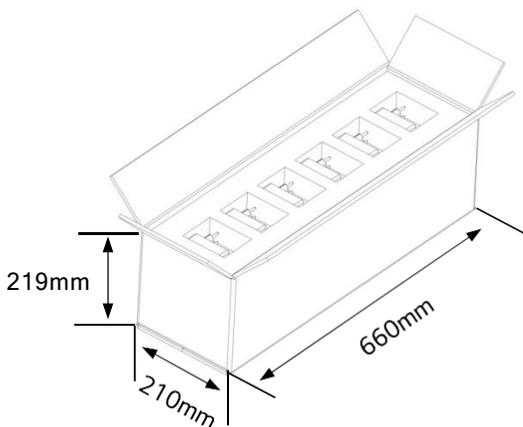
Bottom View



Back View



Packing information



	Q'ty	Dimension	Weight
Packing Box	6pcs/box	660(L)x210(W)x219(H)(mm)	6.7kg
Pallet	1	1350(L)x1100(W)x120(H)(mm)	13.28kg
Pallet after Packing	60boxes / 2Pallet	1350(L)x1100(W)x2130(H)(mm)	approximate 635.5kg

Adaptor User Guide

- **S23/S29 Product Power Requirements**

Item	S23/S29
Input Power Frequency	AC100-240V@50/60Hz
Output Voltage	12V
Output Current	3A
Output Power Connector to ISS product	USB Type C

- **Recommendation of usage for Adapters**

- Recommended to use a standard / certified adapter



- Using other than the recommended adapter, the product seller is not responsible for any damage or product failure.

- **Standard Adapter Parts No.**

Parts No.	S23/S29
Australia	9.11362020072192
UK	9.11.362020072193
India	9.11.362020071318
China	9.11.362020072195
Japan	9.11.362020072196
Korea	9.11.362020072197
North America	9.11362020072198
Russia/Europe	9.11362020071319

Certification

- Global RF/EMC/Safety/ROHS/Recycle/Energy certification
(Under progressing, Target : Oct. '20)

Region	RF	EMC	Safety	ROHS	* Recycle	Energy	Mark
1.EU	CE (RF)	CE (EMC)	CE (LVD)	CE (ROHS)	WEEE	CE	 [CE]  [WEEE]
2.USA	FCC	FCC	NRTL	California Proposition 65	Recycle regulation	-	 [FCC_ID]  [NRTL_UL]
3.KOREA	KC	KC	KC	Certify	Certify	Standby Power Mark	 [KC]
4.JAPAN	TELEC (JPMIC)	VCCI	-	-	-	-	 [TELEC]  [VCCI]
5.INDIA	TEC	-	BIS	-	E-Waste Rule	-	 [TEC]  [BIS]
6.RUSSIAN	FAC	EAC	EAC	EAC	Recycle regulation	-	 [EAC]

* Recycle allotted charges must be paid by Clients

- Bluetooth, Micro HDMI Digital Logo certification

Item	Mark
Bluetooth	
Micro HDMI	