



Specification

System	Processor	Intel Core i3-1215U, 2P4E cores, up to 4.40GHz, TDP is 15W
	System Memory	DDR4-3200 MHz, 1 x non-ECC SO-DIMM, up to 32GB
	Storage Device	1 x SATA 3.0, 1 x M.2 PCIe x4 SSD
	GPIO	1 x GPIO Wafer (Programmable support 8-bit GPIO)
LCD Touch Panel	LCD Size	23.8"
	Brightness	250 nits (1000+ nits optional)
	Resolution	1920 x 1080
	Touch Screen	True-Flat PCAP Touch (IP67 Front) or Resistive Touch (Optional), Anti-UV, Anti-IR protection, Optical Bonding (Optional)
Expansion	Others	1 x M.2 Key-M Slot (PCIe x4 NVMe / SATA SSD, 2280) PCIe x4 is default 1 x M.2 Key-E Slot (PCIe + USB 2.0, Support Wifi + BT, 2230) 1 x M.2 Key-B Slot (PCIe + USB 3.0 + USB 2.0, Support 5G/4G, 2242/3052) 1 x SIM Card Wafer
External I/O Ports	USB	6 x USB 3.0
	Serial Port	1 x RS-232/485, 1 x RS-232
	LAN	2 x Intel Giga LAN
	Display	1 x HDMI, 1 x DP++
	Audio	1 x Line-out + MIC 2 in 1 3.5 mm Jack
Audio	Internal Speaker	2 x Stereo speaker (Optional)
Power	Power Supply	DCIN Input: 12/24V with lockable Power adapter (Auto Detect)
	Connector	Support 9-36V DC-IN phoenix connector (Optional)
Environment	Ventilation	Fanless
	Dust & Water Proof	Front IP67
	Operating Temperature	-20 ~ 60°C
	Storage Temperature	-25 ~ 75°C
	Humidity	5% ~ 95% R/H, non-condensing

Dimensions (WxDxH) 574.4 x 348.8 x 54 mm, suggested cut out is 551 x 325.5 mm

Weight 5.8 kg

Mounting VESA Mount, Panel Mount with Panel Mount bracket (Optional)

OS Supported Windows 10, Windows 11, Linux

