



(These photos are for reference)  
(Please refer to below spec. & drawings)

### Specification

<b>System</b>	Processor	Intel Alder Lake-N N97 CPU, 4E-Core, up to 3.60 GHz, TDP 12W
	System Memory	DDR4-3200 MHz, 1 x non-ECC SO-DIMM, up to 16GB
	Storage Device	1 x SATA 3.0, 1 x M.2 NVMe/SATA M.2
	GPIO	1 x GPIO Header (Programmable support 8-bit GPIO)
<b>LCD Touch Panel</b>	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), <b>Anti-UV, Anti-IR protection, Optical Bonding (Optional)</b>
<b>Expansion</b>	Others	1 x M.2 (Key-M, 2280, PCIe x1 NVMe/ SATA) Auto Detect 1 x M.2 (Key-E, 2230, PCIe + USB 2.0, support Wifi + BT module) 1 x M.2 (Key-B, 2242/3052, USB 3.0 + USB 2.0, support 5G/4G) 1 x SIM Card Wafer
<b>External I/O Ports</b>	USB	4 x USB 3.0, 2 x USB 2.0, Optional additional 2 x USB 2.0
	Serial Port	1 x RS-232/485, 1 x RS-232, Optional additional 2 x RS-232 (DCD/5V, RI/12V optional)
	LAN	2 x Intel Giga LAN
	Display	1 x HDMI, 1 x DP++
	Audio	Line-Out + MIC 2 in 1 3.5mm Jack
<b>Audio</b>	Internal Speaker	2 x Stereo speaker (Optional)
<b>Power</b>	Power Supply	DCIN Input: 12/19/24V with lockable Power adapter (Auto Detect)
	Connector	Support 9-36VDC-IN phoenix connector (Optional)
<b>Environment</b>	Ventilation	Fanless
	Dust & Water Proof	Front IP67
	Operating Temperature	-20 ~ 60°C
	Storage Temperature	-30 ~ 70°C
	Humidity	5% ~ 95% R/H, non-condensing
<b>Dimensions (WxDxH)</b>		574.4 x 348.8 x 54 mm, suggested cut out is 551 x 325.5 mm
<b>Weight</b>		5.8 kg
<b>Mounting</b>		VESA Mount, Panel Mount with Panel Mount kit (Optional)
<b>OS Supported</b>		Windows 10, Windows 11, Linux

