



Specification

System	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)
LCD Touch Panel	LCD Size	12.1"
	Brightness	600 nits (1000+ nits optional)
	Resolution	1280 x 800
	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, 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
External I/O Ports	USB	4 x USB 3.0, 2 x USB 2.0
	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	Line-Out + MIC 2 in 1 3.5mm Jack
Audio	Internal Speaker	2 x Stereo speaker (Optional)
Power	Power Supply Connector	DCIN Input: 12/19/24V with lockable Power adapter (Auto Detect) Support 9-36VDC-IN phoenix connector (Optional)
Environment	Ventilation	Fanless
	Dust & Water Proof	Front IP67
	Operating Temperature	-20 ~ 60°C
	Storage Temperature	-20 ~ 70°C
	Humidity	5% ~ 95% R/H, non-condensing

Dimensions (WxDxH) 306 x 222 x 60.3 mm, suggested cut out is 277 x 193 mm

Weight 2.2 kg

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

OS Supported Windows 10, Windows 11, Linux

