



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

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 NVMe/SATA M.2 SSD	
	GPIO	1 x GPIO Header (Programmable support 8-bit GPIO)	
LCD Touch Panel	LCD Size	21.5"	
	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, 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, 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	Audio	Line-Out + MIC 2 in 1 3.5mm Jack	
	Internal Speaker	2 x Stereo speaker (Optional)	
Power	Power Supply	DCIN Input: 12/19/24V with lockable Power adapter (Auto Detect)	
	Connector	Support 9-36VDC-IN phoenix connector (Optional)	
Environment	Ventilation	Fanless	
	Dust & Water Proof	Front IP67	
	Operating Temperature	-20 ~ 60°C	
	Storage Temperature	-25 ~ 70°C	
	Humidity	5% ~ 95% R/H, non-condensing	
Dimensions (WxDxH)	537.8 x 329 x 54 mm, suggested cut out is 514.5 x 306 mm		
Weight	5.5 kg		
Mounting	VESA Mount, Panel Mount with Panel Mount bracket (Optional)		
OS Supported	Windows 10, Windows 11, Linux		

