



Specification

System	Processor	Intel Alder Lake-N N97 CPU, 4E-Core, up to 3.60 GHz, TDP 12W, (N95/N100/i3-N305 CPU Optional)
	Chipset	CPU Integrated
	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
	Graphic Engine	Intel UHD Graphics
	GPIO	1 x GPIO Wafer (Programmable support 8-bit GPIO)
	Watchdog	With Watchdog Timer
LCD Touch Panel	LCD Size	15.6"
	Brightness	250 nits or 1000+ nits (Optional)
	Resolution	1366 x 768 or 1920 x 1080 (Optional)
	Touch Screen	True-Flat PCAP Touch or Resistive Touch (Optional), Anti-UV, Anti-IR protection, Optical Bonding (Optional)
Expansion	M.2	1 x M.2 (Key-M, 2280, PCIe x1 NVMe/ SATA) Auto Detect
	Others	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	6 x USB 2.0 with 2 meter long M12 type water-proof IP69K cable (max.), USB 3.0 2 meter M12 IP69K cable (Optional)
	Serial Port	2 x RS-232 with 2 meter long M12 type water-proof IP69K cable (max.)
	LAN	2 x LAN with 2 meter long M12 type water-proof IP69K cable (max.)
	Vent	1 x Vent
Audio	Internal Speaker	Speaker Header x1
Power	Power Supply Connector	1 x DC-12/19/24V Input port with 2 meter long M12 type water-proof IP69K cable with Power adapter included 9-36VDC-IN wide range, w/o Power adapter (optional)
Environment	Ventilation	Fanless
	Dust & Water Proof	Full IP69K/IP68, full stainless steel housing (SUS304 or SUS316), True-Flat PCAP/Resistive Touch design
	Operating Temperature	-20°C ~ 60°C
	Storage Temperature	-25°C ~ 75°C
	Humidity	5% ~ 95% RH non-condensing
Dimensions (WxDxH)		437.5 x 290 x 52 mm
Weight		6.5 kg
Mounting		VESA Mount 75 x 75 or 100 x 100 mm
OS Supported		Win10, Win11, Linux

