



### Specification

<b>System</b>	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
<b>LCD Touch Panel</b>	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), <b>Anti-UV, Anti-IR protection, Optical Bonding (Optional)</b>
<b>Expansion</b>	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
<b>External I/O Ports</b>	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
<b>Audio</b>	Internal Speaker	Speaker Header x1
<b>Power</b>	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)
<b>Environment</b>	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
<b>Dimensions (WxDxH)</b>		437.5 x 290 x 52 mm
<b>Weight</b>		6.5 kg
<b>Mounting</b>		VESA Mount 75 x 75 or 100 x 100 mm
<b>OS Supported</b>		Win10, Win11, Linux

