



Specification

System	Processor Chipset System Memory Storage Device Graphic Engine GPIO Watchdog	Intel Alder Lake-N N97 CPU, 4E-Core, up to 3.60 GHz, TDP 12W, (N95/N100/i3-N305 CPU Optional) CPU Integrated DDR4-3200 MHz, 1 x non-ECC SO-DIMM, up to 16GB 1 x SATA 3.0, 1 x NVMe/SATA M.2 SSD Intel UHD Graphics 1 x GPIO Wafer (Programmable support 8-bit GPIO) With Watchdog Timer
LCD Touch Panel	LCD Size Brightness Resolution Touch Screen	21.5" 250 nits or 1000+ nits (Optional) 1920 x 1080 True-Flat PCAP Touch or Resistive Touch (Optional), Anti-UV, Anti-IR protection, Optical Bonding (Optional)
Expansion	M.2 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 Serial Port LAN Vent	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) 2 x RS-232 with 2 meter long M12 type water-proof IP69K cable (max.) 2 x LAN with 2 meter long M12 type water-proof IP69K cable (max.) 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 Dust & Water Proof Operating Temperature Storage Temperature Humidity	Fanless Full IP69K/IP68, full stainless steel housing (SUS304 or SUS316), True-Flat PCAP/Resistive Touch design -20°C ~ 60°C -25°C ~ 75°C 5% ~ 95% RH non-condensing
Dimensions (WxDxH)		579.38 x 373.02 x 58 mm
Weight		9.5 kg
Mounting		VESA Mount 75 x 75 or 100 x 100 mm
OS Supported		Win10, Win11, Linux

