



(Above photos are reference only, please refer to below drawings)

Specification

System	Processor Chipset System Memory Storage Device Graphic Engine GPIO Watchdog	Intel Celeron Elkhart Lake J6412 CPU, Quad-Core, up to 2.60 GHz, TDP 10W CPU Integrated DDR4-2666/2933/3200, 1 x SO-DIMM, up to 32GB 1 x SATA 3.0, 1 x NVMe M.2 Intel HD Graphics 1 x GPIO Header (Programmable support 8-bit GPIO) With Watchdog Timer
LCD Touch Panel	LCD Size Brightness Resolution Touch Screen	19" (5:4) 250 nits or up to 1600 nits (Sunlight Readable, Optional) 1280 x 1024 True-Flat PCAP Touch or Resistive Touch (Optional)
Expansion	M.2 Mini PCI-E	1 x M.2 (Key-M, 2280, PCIe x2 NVMe/ SATA) NVMe is default 1 x M.2 (Key-B, 3052, PCIe/USB 3.0 + USB 2.0) USB 3.0 is default 1 x Mini-PCIe (PCIe + USB 2.0/ mSATA) PCIe + USB 2.0 is default
External I/O Ports	USB Serial Port LAN Vent	6 x USB 2.0 or 3 x USB 3.0 + 3 x USB 2.0 with 2 meter long M12 type water-proof IP69K cable (Max.) 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 x 1
Power	Power Supply Connector	1 x DC-12V 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)		445 x 369.6 x 53 mm
Weight		8.0 kg
Mounting		VESA Mount 100 x 100 mm
OS Supported		Win10, Win11, Linux

