



Specification

System	Processor	Intel 12/13th Gen. Core i9/i7/i5/i3 CPU, TDP under 65W
	Chipset	H610 chipset
	System Memory	DDR4-3200 MHz, 2 x non-ECC SO-DIMM, up to 64GB
	Storage Device	2 x SATA 3.0 7P Connector
	GPIO	1 x GPIO Header (Programmable support 8-bit GPIO)
LCD Touch Panel	LCD Size	12.1"
	Brightness	600 nits (1000 nits optional)
	Resolution	1280 x 800
	Touch Screen	True-Flat PCAP Touch (IP67 Front)
Expansion	Others	1 x 2280 M.2 M-Key (PCIe Gen.4 x4) 1 x 2230 M.2 E-Key (Wifi/BT) 1 x PCIe x16 (Gen.4 x16)
External I/O Ports	USB	4 x USB 3.2 Gen.1
	Serial Port	1 x RS-232/422/485 & RI/5V/12V
	LAN	2 x Giga LAN, optional 4 x Giga LAN
	Display	1 x HDMI, 1 x DP, 1 x VGA
	Audio	2 x Audio Jack (Line out, Mic in)
	MSR/RFID	MSR/RFID (Optional)
Audio	Internal Speaker	1 x Line-out +MIC, 2 x Stereo speaker (Optional)
Power	Power Supply Connector	With Power adapter or 2-pin phoenix connector, support 9-36VDC-IN (optional) DCIN Input: 12V/19-24V, Connector type: 1x Phoenix connector
Environment	Ventilation	Fanless
	Dust & Water Proof	Front IP67
	Operating Temperature	0 ~ 60°C (32 ~ 140°F)
	Storage Temperature	-20 ~ 70°C (-4 ~ 176°F)
	Humidity	5% ~ 95% R/H, non-condensing
Dimensions (WxDxH)		306 x 222 x 70 mm
Weight		4.0 kg
Mounting		VESA Mount, Panel Mount with Panel Mount bracket (option)
OS Supported		Windows 10, Windows 11, Linux

