

Features



- 14th Generation Meteor Lake with built-in NPU
- Windows 11
- Ultra-fast DDR5
- Available configurations for dual LAN and PoE
- Rugged aluminum fanless build
- Expansions include 5MP camera and 2D scanner

Technical Specifications

Primary Components

Processor Family	Intel Core Ultra Series 14th Generation Meteor Lake
Processor Model	Core Ultra 5 - 125U
Processor Speed	2x Low-Power Efficient Cores up to 2.1GHz, 2x Performance Cores up to 4.3GHz, 8x Efficient Cores up to 3.6GHz
Memory Type	1x DDR5 SO-DIMM
Memory Support	8GB, 16GB, 32GB
Storage Type	1x M.2 2280 SATA3/NVMe Slot
Storage Support	128GB-1TB

Display

Screen Size	18.5", 21.5
Screen Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	250 nits, 450 nits

Touch Screen

Touch Screen	Projected Capacitive (Multi-touch)
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External I/O Ports

USB	1x USB 3.0 Type-C (Power/Video/Data), 2x USB 2.0, 4x USB 3.0
Serial / Com	3x RJ48 COM
Ethernet / LAN	1x RJ45 GbE LAN
Video Outputs	1x DisplayPort via USB-C Alt Mode
Power Input Port	4-Pin DC-In Jack

Power

Input Voltage Range	12-48V DC
Standard Power Adapter	External 19V/6.32A 120W DC Power Adapter

Operating Systems

Windows	Windows 10 IoT, Windows 11 IoT, Windows 11 Pro
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Compatibility

Security Hardware	fTPM 2.0
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Expansion Slots

Internal M.2	1x M.2 2230 Key E (for WiFi expansion option), 1x M.2 for NVME/SATA3 SSD Support
Expansion Module support	71W PoE Module/2nd LAN Module/Powered USB Module (2x 12V, 1x 24V)/Isolated LAN+DB9 Serial

Multimedia

Speakers	1x Speaker
Camera	Optional 5MP Webcam
Microphone	With Optional 5MP Webcam

Thermal & Environmental

Operating Temperature	0°C - 40°C (32°F – 104°F)
Storage Temperature	-20°C - 60°C (-4°F – 140°F)
Cooling Solution	Passive – Fanless with Heatsink
Humidity Range	20% – 85% Non-condensing, 25% – 85% Non-condensing

Enclosure

Material	Aluminum, Plastic
IP Rating	IP65 Front Bezel
Color	Black, White
Mounting Options	VESA Mount

Peripherals & Wireless Connectivity

WiFi	WiFi 6E (Optional)
Bluetooth	Optional Bluetooth 5.2
Peripheral Other	Optional MSR

Weight / Dimensions

Weight

6 kg (13.2 lbs)

Dimensions

521 x 325 x 47 mm (20.5 x 12.8 x 1.9 in)

Certification

Certifications

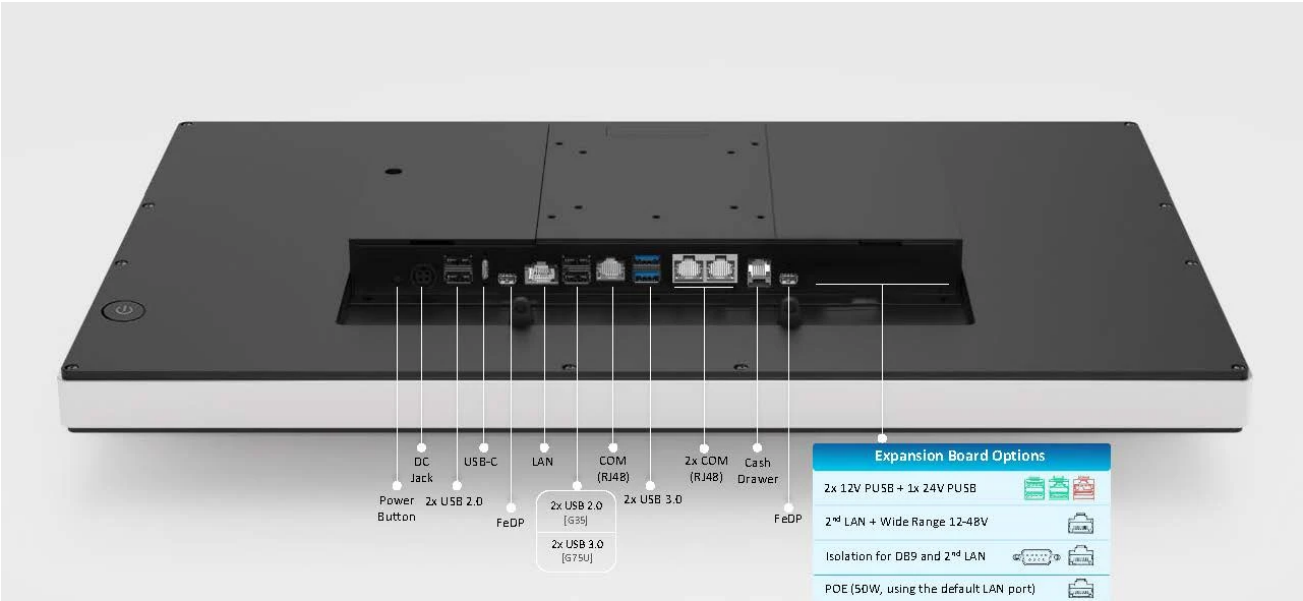
CE, EN60601-1, FCC

Warranty

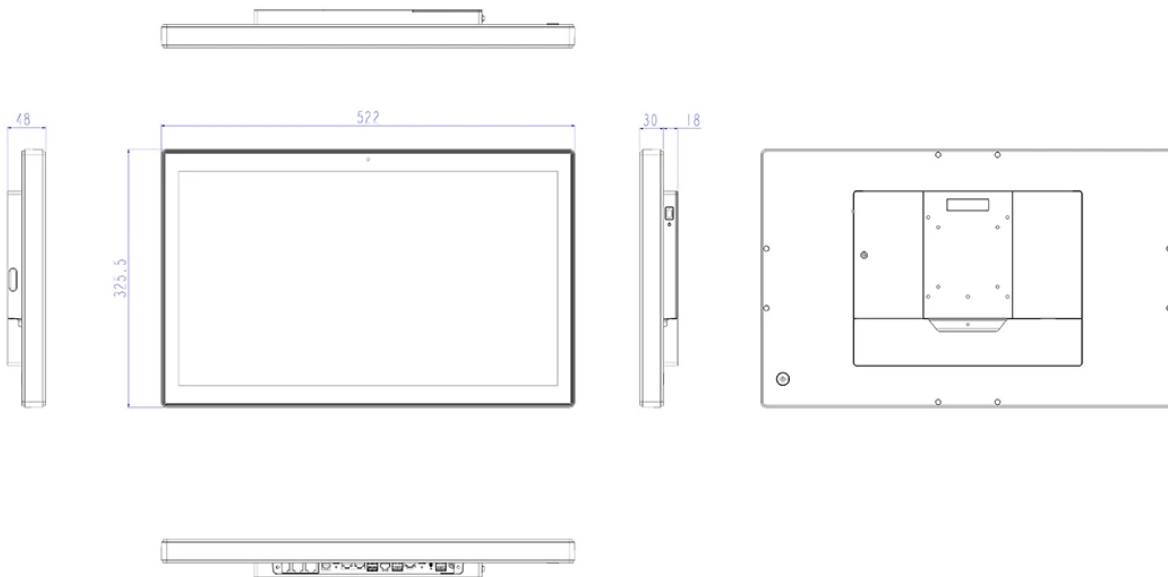
Warranty

Up to 5 Years

I/O Diagram Images



Tech Diagram Images



All specifications are subject to change without notice.