



Features

- Intel® Celeron CPU with Core i™ Options Available
- 18.5" PCAP Touch Display
- Lightweight and Sleek Plastic Enclosure
- Modular Design
- High performance for a low cost
- External Expansion modules available for webcam, NFC/RFID readers, light bar, and more

Technical Specifications

Primary Components

Processor Family	Intel Celeron or Core I series 12th Generation Alder Lake N
Processor Model	Core i3-N305, Intel Processor N97
Processor Speed	Up to 3.6 GHz, Up to 3.8 GHz
Memory Type	1x DDR4 SO-DIMM
Memory Support	8GB, 16GB
Storage Support	128GB-1TB

Display

Screen Size	18.5"
Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:09

Touch Screen

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

USB	1x USB 3.2 Type-C (DP 1.4A), 2x USB 3.0, 4x USB 2.0
Serial / Com	3x RJ48 COM
Serial Protocol Detail	RS232
Video Outputs	1x DisplayPort via USB-C Alt Mode
Other Ports	1x RJ11
Power Input Port	4-Pole DIN (latching)

Power

Input Voltage Range	12-48V DC
Standard Power Adapter	19Vdc, 3.42A, 65W US AC

Operating Systems

Windows	Windows 10 IoT, Windows 11 IoT, Windows 11 Pro
Linux	Linux

Expansion Slots

Internal M.2	1x M.2 2280 M-Key for NVMe or SATA SSD
Expansion Module support	1x Expansion Board Slot with Options for Powered USB (2x 12V, 1x 24V) and Isolated LAN (1x RJ45, 1x DB9 COM)

Multimedia

Speakers	1x 3W Speaker
Camera	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
Humidity Range	20% – 85% Non-condensing

Enclosure

Material	Plastic
IP Rating	IP54 Front Bezel
Color	Black
Led Indicator Light	Power
Control Buttons	Power Button
Mounting Options	VESA 100 Mount, VESA 75 Mount

Peripherals & Wireless Connectivity

WiFi	Optional WiFi 6E
Bluetooth	Optional Bluetooth 5.2

Weight / Dimensions

Dimensions	453 x 273 x 50.2 mm (17.8 x 10.7 x 2.0 in)
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Certification

Certifications	CE, FCC
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Warranty

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Up to 5 Years

All specifications are subject to change without notice.