



Features

- 19" Fully Flat Touchscreen
- Intel 9th Generation 6-Core i5 CPU
- Fanless Cooling System
- IP66 Front Rated Bezel
- Multiple inputs and outputs including 4x USB 3.1, 3x COM, 2x Lan, and 3x Display port 1.2
- High TDP Processor

Technical Specifications

General

Main Category Industrial Computer

Expansion Slots

Internal Mini PCIe	1x Mini-PCIe
PCIe Slot	1x PCI-E (x16)
PCIe Expansion Details	Single slot, max size 225x110mm, max power draw supported 25W

Primary Components

Processor Family	Intel Core-I Series 9th Generation Coffee Lake
Processor Model	Core i5-9500TE
Memory Type	2x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB, 64GB
Storage type	1x 2.5" SATA Drive Bay for SSD/HDD (easily accessible), 1x M.2 2280 NVME SSD slot
Storage support	M.2 and 2.5": 128GB - 1TB

Multimedia

Display

Screen Size	19"
Resolution	1280 x 1024 (SXGA)
Screen Ratio	5:4
Brightness	350 nits

Thermal and Environmental

Operating Temperature	Array (32°F – 122°F)
Storage Temperature	Array (-4°F – 140°F)
Cooling Solution	Passive – Fanless with Heatsink

Touch Screen

Touch Screen	5 Wire Resistive, Projected Capacitive (Multi-touch)
Hardness	Resistive: 3H, P-cap: 7H

Enclosure

Material	Aluminum front bezel and SECC Steel Chassis
Ip Rating	IP66 Front Bezel
Color	Black
Mounting Options	Panel Mount, VESA 75 Mount

External I/O ports

USB	4x USB 3.1
Serial / Com	3x COM
Serial Protocol Detail	2x RS-232, 1x RS-232/422/485
Ethernet / LAN	2x RJ45 GbE LAN
Video Outputs	3x DisplayPort 1.2
Audio	1x Audio Line-Out, 1x Mic-In
Power Input Port	4-Pin DC-In (Phoenix Type Terminal Block)

Peripherals & Wireless Connectivity

WiFi	Optional 802.11 ac + Bluetooth with External Antennas
BlueTooth	Optional Bluetooth 4.0

Power

Input Voltage Range	19-28V DC
Standard Power Adapter	Optional 150 watt, universal 100 ~240V AC in, 19V DC out, 7.8A

Dimensions / Weight

Weight	10.6 KG (23.4 lbs)
Dimensions	495 x 385 x 131 mm (19.5 x 15.2 x 5.2 in)

Battery

Certification

Certifications	CE, FCC
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Operating Systems

Warranty

Windows	Windows 11 Pro, Windows 10 IoT, Windows 10 Pro
Linux	Linux Ubuntu 20.04 or above (Contact your sales rep for more information)

Warranty	Up to 5 Years
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Compatibility

Filters

Security Hardware	fTPM 2.0
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Main Category Filter	Industrial Computer
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Inputs / Outputs



All specifications are subject to change without notice.