

TP-5940-16

15.6" Fanless All-in-One PC



Key Highlights

- 15.6" True Flat Touchscreen with LCD Display
- Intel Tiger Lake Core i5 CPU
- Fanless and Low Power Consumption
- Aluminum Die-Cast Housing
- Multiple I/Os including 2x USB Type C, 2x USB 3.0, 2x USB 2.0, 1x LAN, 2x DB9

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The TP-5940-16 is a widescreen all-in-one industrial computer with the Intel Tiger Lake Core i5 CPU and up to 16GB RAM. It utilizes a fanless cooling system, so it can run efficiently, 24/7 in particulate rich environments, such as a dusty warehouse or dirty production line. This computer has a 15.6" projected capacitive touchscreen and is built with reliable, industrial-grade components and a durable metal housing. The TP-5940-16 has an IP65 dust and waterproof front bezel, so you can spray and wipe down the unit easily. This computer will integrate into your system seamlessly and provide great ROI and reliable performance for years-on-end.

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Technical Specifications

Primary Components

Processor Family	Intel Core I series 11th Generation Tiger Lake
Processor Model	Core i5 1145G7
Processor Speed	2.6 GHz
Memory Type	1x DDR4 SO-DIMM
Memory Support	2GB, 4GB, 8GB, 16GB
Storage Type	1x M.2 slot for SSD
Storage Support	32GB-1TB

Power

Input Voltage Range	19V DC
Standard Power Adapter	120W

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 11 IoT, Windows 11 Pro
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Expansion Slots

Video Card Support	Intel HD Graphics
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Thermal & Environmental

Operating Temperature	0°C - 35°C (32°F - 95°F)
Storage Temperature	-20°C - 60°C (-4°F - 140°F)
Cooling Solution	Passive - Fanless
Humidity Range	20% - 85% Non-condensing

Peripherals & Wireless Connectivity

WiFi	Optional 802.11 b/g/n/ac
Bluetooth	Optional Bluetooth 5.1
Barcode Scanner	Optional 1D/2D Barcode Scanner
RFID	Optional RFID Module

Certification

Certifications	CE, FCC Class A, IEC 60950-1
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Specifications subject to change.

Display

Screen Size	15.6"
Screen Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	220 nits

Touch Screen

Touch Screen	Projected Capacitive
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External I/O Ports

USB	2x USB 2.0, 2x USB 3.0, 2x USB 3.0 type C
Ethernet / LAN	1x RJ45 GbE LAN
Other Ports	2x DB9 COM
Power Input Port	4-Pole DIN (latching)

Compatibility

Security Hardware	fTPM 2.0, Intel vPro Technology: Intel AMT Supported
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Multimedia

Speakers	2x 2W Speakers
Camera	2MP Webcam

Enclosure

Material	Aluminum
IP Rating	IP65 Front Bezel
Color	Black, White
Mounting Options	VESA 75 Mount, Wall Mount

Weight / Dimensions

Weight	4.5 kg (9.9 lbs)
Dimensions	396 x 48 x 245 mm (15.6 x 1.9 x 9.6 in)

Warranty

Warranty	Up to 5 Years
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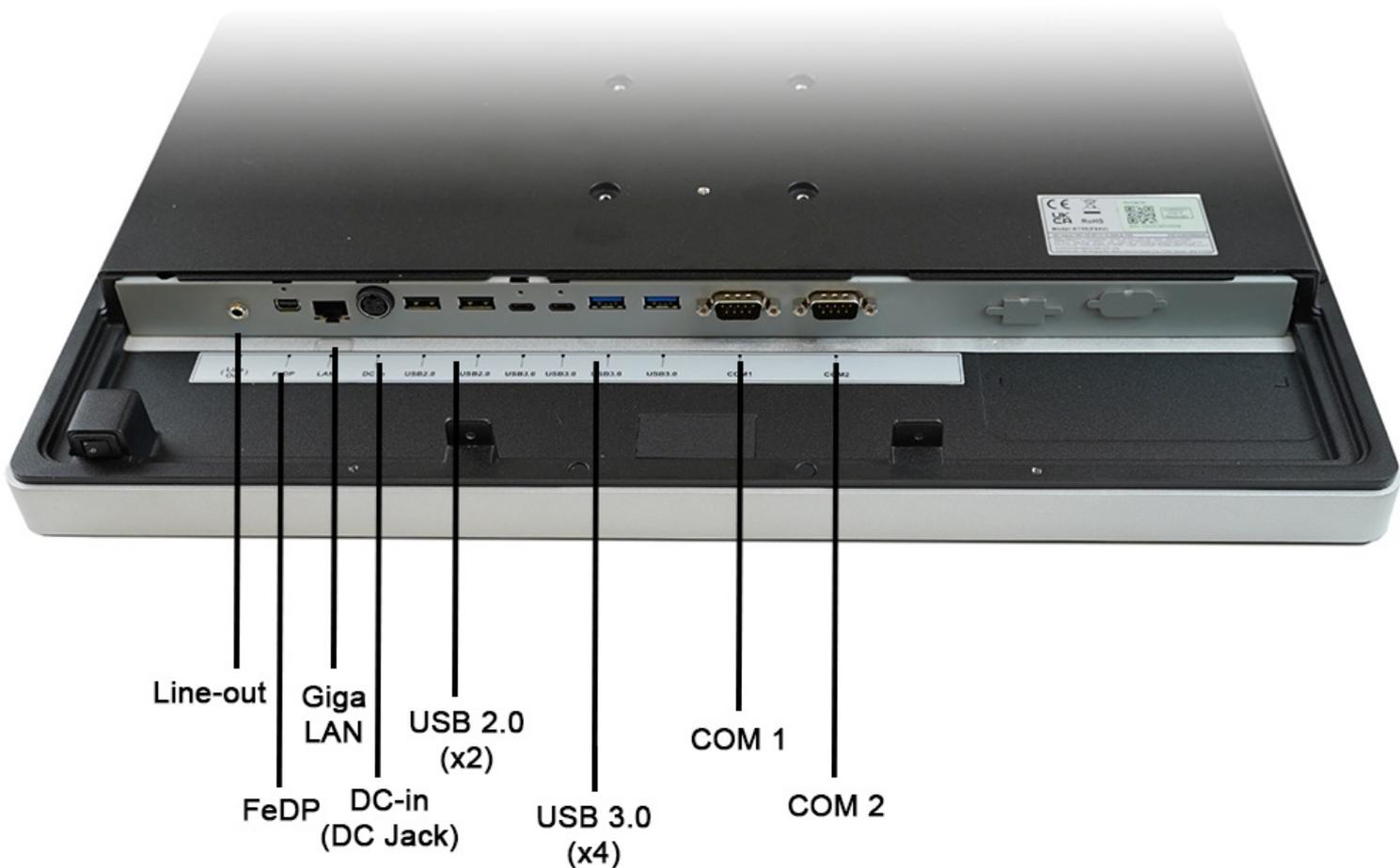
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I/O Diagram Images



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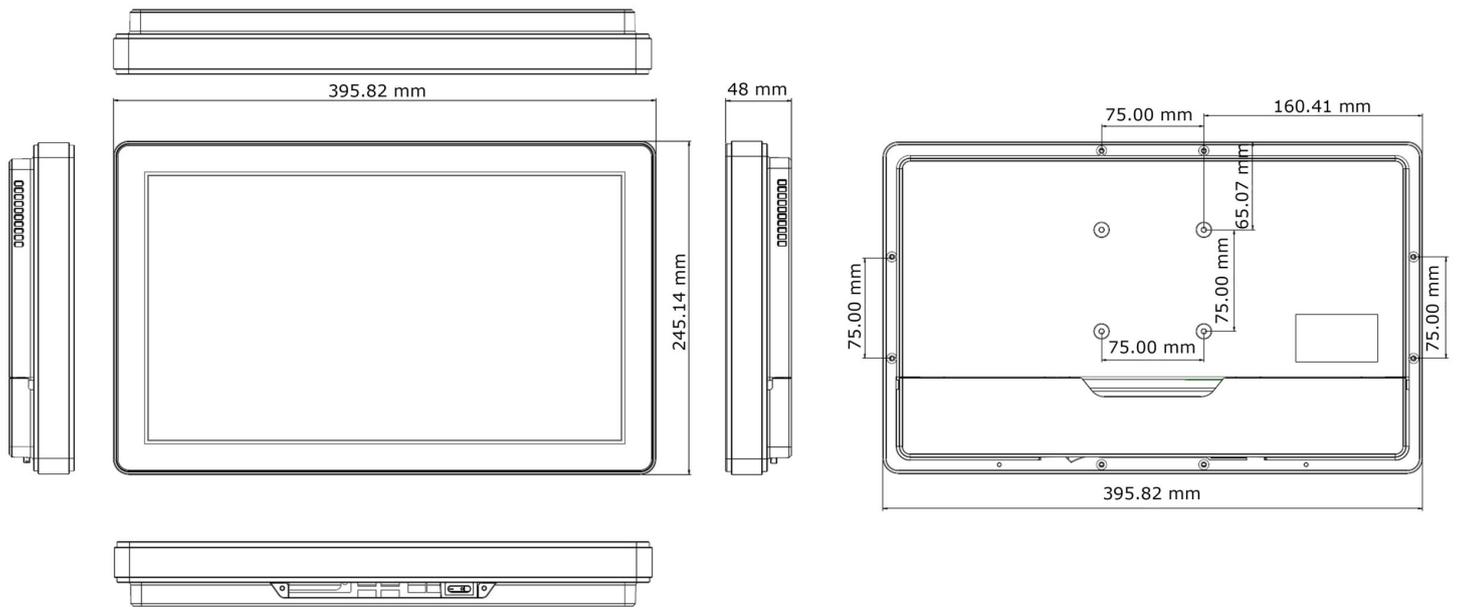
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Tech Diagram Images



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