TEGUAR

TP-5710-19

19" Industrial HMI



Key Highlights

- 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

VIEW ONLINE

The TP-5710-19 has an Intel 6-Core i5 CPU that offers lightning-fast processing power and the capability to run Windows 11 operating system. This panel PC is ideal for environments where strong computing is needed, like machine learning, AI, or 3D modeling. The high TDP processor allows for more computing power and better processing performance. With a fanless cooling system and IP66 rated front bezel, the TP-5710 is resistant to spills or sprays and suitable for particulate-rich environments. This unit also comes equipped with an easy accessible PCIe expansion slot, making it a breeze when swapping in and out. The modular front monitor and panel mount option makes it so the computer can be implemented in a diverse range of applications.

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Technical Specifications

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

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 Ports	1x Audio Line-Out, 1x Mic-In
Power Input Port	4-Pin DC-In (Phoenix Type Terminal Block)

Thermal & Environmental

Operating Temperature	0°C - 50°C (32°F – 122°F)
Storage Temperature	-20°C - 60°C (-4°F – 140°F)
Cooling Solution	Passive – Fanless with Heatsink

Peripherals & Wireless Connectivity

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

Certification

Certifications	CE, FCC

Warranty

Warranty	Up to 5 Years

Specifications subject to change.

Display

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

Touch Screen

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

Power

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

Operating Systems

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

Compatibility

Security Hardware	fTPM 2.0

Enclosure

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

Weight / Dimensions

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

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I/O Diagram Images

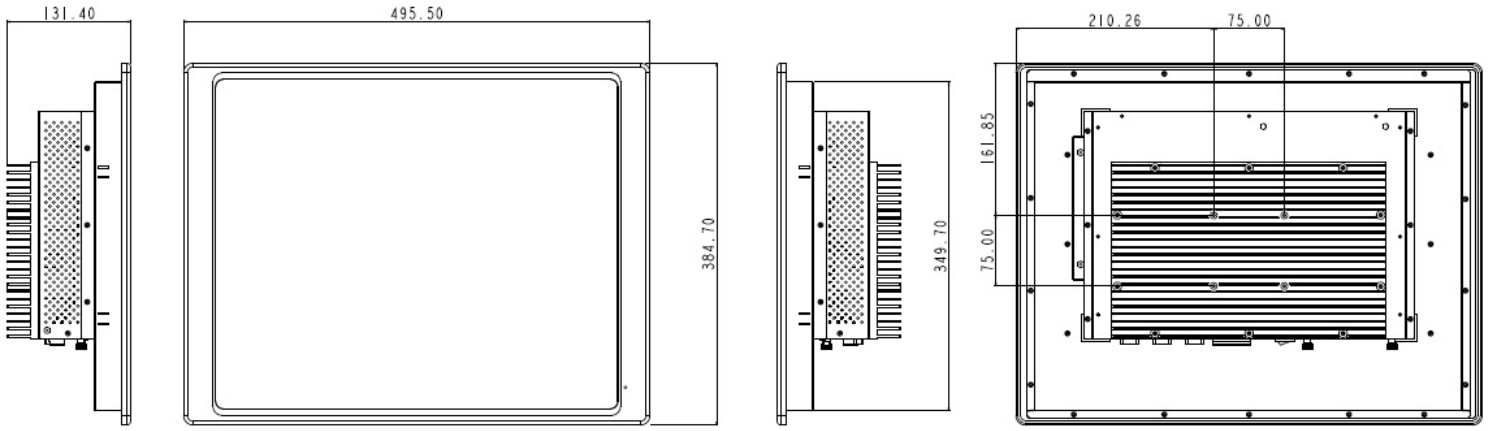


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Tech Diagram Images



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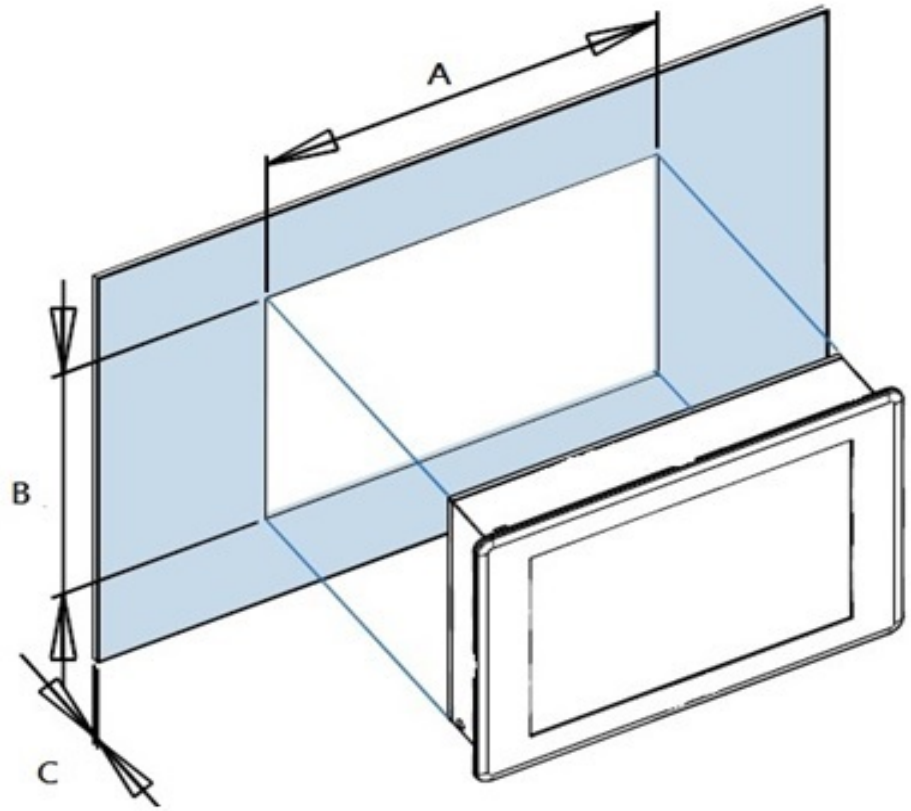
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Panel Mount installation

1. The Panel PC can be panel mounted and comes with brackets and screws for this purpose. The required cutout for panel mounting and maximum panel thickness is shown below.

	A	B	C
15″	357	292	12
17″	392	319	12
19″	459	354	16
22″	536	326	8
24″	606	374	8

Unit: mm



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