

TM-7110-19

19" Fanless Medical PC



Key Highlights

- Intel 12th Gen Core i™ CPU
- 19" PCAP Touch Screen in Unique 5:4 Ratio
- 1 x PCI-E x8 Expansion Slot (PCIe x 4 signal) for Video Capture Card or I/O Expansion
- Clean White Antibacterial Surface
- IP65 Waterproof Rated Front Bezel
- Dual Storage with M.2 and 2.5" SSD

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The 19" Fanless Medical PC is an exceptional healthcare technology solution designed for the most critical medical applications. With full medical compliance, it holds up to stringent security standards. User-friendly function keys enhance usability, granting quick access to essential functions. A PCIe expansion slot further adds to customization for more I/O OR Video Capture possibilities. Its robust antimicrobial housing ensures durability, while the IP65 waterproof bezel protects against moisture and contaminants. Powered by an Intel® 12th Generation CPU, it offers powerful, dependable performance. This PC is tailored to meet the rigorous demands of healthcare, combining cutting-edge technology with a rugged design for efficient use in clinical environments.

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Technical Specifications

Primary Components

Processor Family	Intel Core I series 12th Generation Alder Lake
Processor Model	Core i5 12600HE
Memory Type	2x DDR5 SO-DIMM
Memory Support	8GB, 16GB, 32GB, 64GB
Storage Type	1x 2.5" SATA Drive Bay for SSD/HDD (Internal, not with removable drive in use), 1x M.2 2280 NVME SSD slot
Storage Support	M.2 and 2.5": 128GB - 1TB

External I/O Ports

USB	4x USB 3.2
Serial / Com	2x COM
Serial Protocol Detail	1x RS-232, 1x RS-232/422/485
Ethernet / LAN	1x RJ45 2.5 GbE LAN, 1x RJ45 GbE LAN
Video Outputs	1x DisplayPort, supports DP++, 1x HDMI 2.0b
Audio Ports	1x 3.5mm Audio Line-Out, 1x 3.5mm Microphone Jack
Power Input Port	C13, 3-Prong AC Plug

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	10% - 90% Non-condensing

Peripherals & Wireless Connectivity

WiFi	802.11 a/b/g/n/ac/ax
Bluetooth	Bluetooth 5.0
RFID	Optional
Peripheral Other	POAG-Grounding Pin built-in

Certification

Certifications	60601-1 3.2 Edition, CE, FCC
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Display

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

Touch Screen

Touch Screen	Projected Capacitive (Multi-touch)
Hardness	6H

Power

Standard Power Adapter	Built-In AC 100-240V/47-60Hz to DC 24V, 250W
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Operating Systems

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

Security Hardware	TPM 2.0, Intel vPro
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Multimedia

Camera	Optional 5MP Webcam
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Enclosure

Material	Aluminum, Anti-Microbial
IP Rating	IP65 Front Bezel, IP54 with cable cover
Color	White
Control Buttons	Backlight on/off, Brightness Down, Brightness Up, Clean me, Mute, Power Button, Volume UP+ / Volume Down -, Webcam (disable)
Programmable Function Buttons	1x Programmable Function Key
Mounting Options	VESA 100 Mount

Weight / Dimensions

Weight	10 kg (22.0 lbs)
Dimensions	541.9 x 59 x 347.1 mm (21.3 x 2.3 x 13.7 in)

Warranty

Warranty	Up to 5 Years
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Specifications subject to change.

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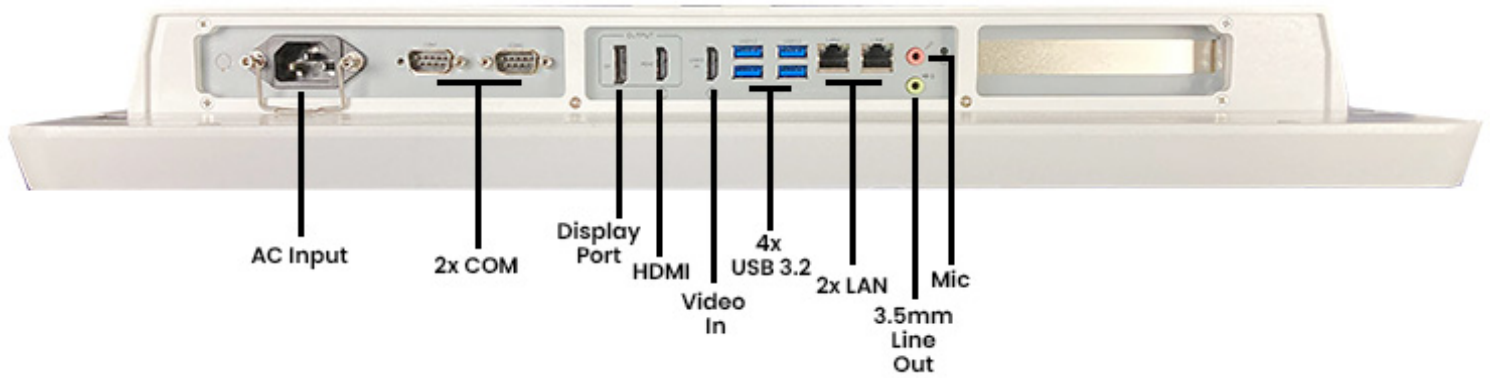
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I/O Diagram Images



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