

# 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, 96GB   |
| 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         | 2x 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             | Optional 802.11 a/b/g/n/ac/ax Wi-Fi 6 |
| Bluetooth        | Optional Bluetooth 5.1                |
| RFID             | Optional                              |
| Peripheral Other | POAG-Grounding Pin built-in           |

## Warranty

|          |               |
|----------|---------------|
| Warranty | Up to 5 Years |
|----------|---------------|

## Display

|                   |                       |
|-------------------|-----------------------|
| Screen Size       | 21.5                  |
| Screen 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 |
|------------------------|--|

## Operating Systems

|         |  |
|---------|--|
| Windows | Windows 10 IoT, Windows 10 Pro, Windows 11 IoT, Windows 11 Pro |
|---------|--|

## Compatibility

|                   |                     |
|-------------------|---------------------|
| Security Hardware | TPM 2.0, Intel vPro |
|-------------------|---------------------|

## Multimedia

|          |                     |
|----------|---------------------|
| Speakers | 2x 2W Speakers      |
| Camera   | Optional 5MP Webcam |

## Enclosure

|                               |  |
|-------------------------------|--|
| Material                      | Aluminum, Anti-Microbial   |
| IP Rating                     | IP65 Front Bezel, IPX1 enclosure   |
| 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, VESA 75 Mount  |

## Weight / Dimensions

|            |  |
|------------|--|
| Weight     | 15.4 kg (34.0 lbs)                         |
| Dimensions | 450 x 420 x 85.3 mm (17.7 x 16.5 x 3.4 in) |

Specifications subject to change.

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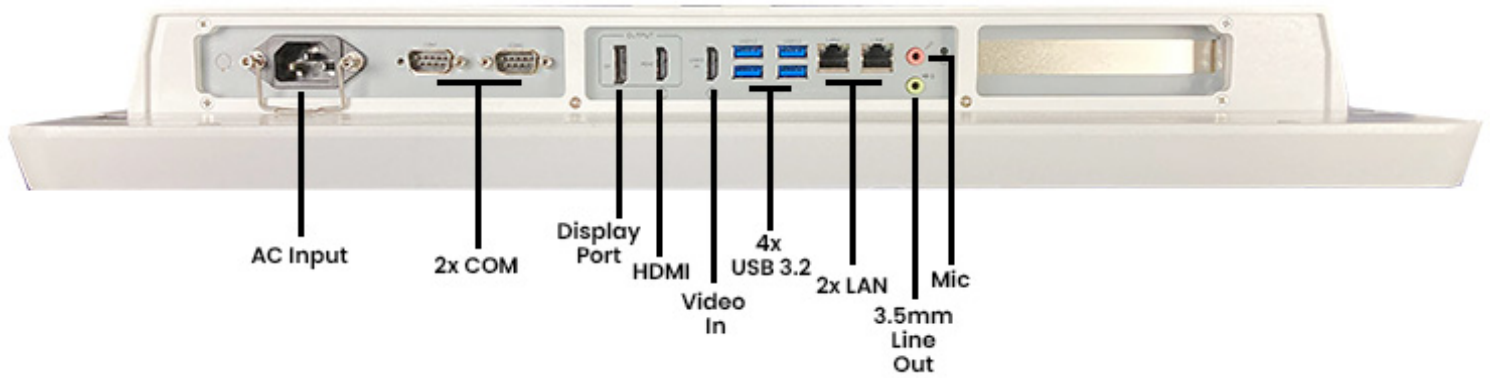
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## I/O Diagram Images



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