

# TM-7240-18

18" Medical Touch Screen Computer | Horizon



## Key Highlights

- 14th Generation Meteor Lake with built-in NPU
- UL-60601 Certified
- Ultra-fast DDR5
- Available configurations for dual LAN and PoE
- Rugged aluminum fanless build
- Expansions include 5MP camera and 2D scanner
- [Durable Flat Wi-Fi Antenna Kit](#)

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The Horizon 18.5" Industrial Touch Screen Computer is powered by Intel® Core Ultra 5 Processor 125U, which brings 12 cores for strong multitasking and a built-in Neural Processing Unit. This NPU is your AI Accelerator for any machine vision and AI projects. Super-fast DDR5 RAM provides Horizon – and your team – with maximum efficiency. But the Horizon Series doesn't just eclipse the competition when it comes to performance. These elegant units are also slim in depth and have an innovative compact build, making them 2kg (4.4lbs) lighter than similar units.

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# Technical Specifications

## Primary Components

<b>Processor Family</b>	Intel Core Ultra Series 14th Generation Meteor Lake
<b>Processor Model</b>	Core Ultra 5 - 125U
<b>Processor Speed</b>	2x Low-Power Efficient Cores up to 2.1GHz, 2x Performance Cores up to 4.3GHz, 8x Efficient Cores up to 3.6GHz
<b>Memory Type</b>	1x DDR5 SO-DIMM
<b>Memory Support</b>	8GB, 16GB, 32GB
<b>Storage Type</b>	1x M.2 2280 SATA3/NVMe Slot
<b>Storage Support</b>	128GB-1TB

## Power

<b>Input Voltage Range</b>	12-48V DC
<b>Standard Power Adapter</b>	External 19V/6.32A 120W DC Power Adapter

## Operating Systems

<b>Windows</b>	Windows 10 IoT, Windows 11 IoT, Windows 11 Pro
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## Compatibility

<b>Security Hardware</b>	fTPM 2.0
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## Multimedia

<b>Speakers</b>	1x Speaker
<b>Camera</b>	Optional 5MP Webcam
<b>Microphone</b>	With Optional 5MP Webcam

## Enclosure

<b>Material</b>	Aluminum, Plastic
<b>IP Rating</b>	IP65 Front Bezel
<b>Color</b>	Black, White
<b>Mounting Options</b>	VESA Mount

## Weight / Dimensions

<b>Weight</b>	5 kg (11.0 lbs), 5 Kg kg (11.0 lbs)
<b>Dimensions</b>	454 x 287 x 47 mm (17.9 x 11.3 x 1.9 in)

## Warranty

<b>Warranty</b>	Up to 5 Years
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Specifications subject to change.

## Display

<b>Screen Size</b>	18.5"
<b>Screen Resolution</b>	1920 x 1080 (Full HD)
<b>Screen Ratio</b>	16:9
<b>Brightness</b>	300 nits, 450 nits

## Touch Screen

<b>Touch Screen</b>	Projected Capacitive (Multi-touch)
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## External I/O Ports

<b>USB</b>	1x USB 3.0 Type-C (Power/Video/Data), 2x USB 2.0, 4x USB 3.0
<b>Serial / Com</b>	3x RJ48 COM
<b>Ethernet / LAN</b>	1x RJ45 GbE LAN
<b>Video Outputs</b>	1x DisplayPort via USB-C Alt Mode
<b>Power Input Port</b>	4-Pin DC-In Jack

## Expansion Slots

<b>Internal M.2</b>	1x M.2 2230 Key E (for WiFi expansion option), 1x M.2 for NVMe/SATA3 SSD Support
<b>Expansion Module support</b>	71W PoE Module/2nd LAN Module/Powered USB Module (2x 12V, 1x 24V)/Isolated LAN+DB9 Serial

## Thermal & Environmental

<b>Operating Temperature</b>	0°C - 40°C (32°F - 104°F)
<b>Storage Temperature</b>	-20°C - 60°C (-4°F - 140°F)
<b>Cooling Solution</b>	Passive - Fanless with Heatsink
<b>Humidity Range</b>	20% - 85% Non-condensing, 25% - 85% Non-condensing

## Peripherals & Wireless Connectivity

<b>WiFi</b>	WiFi 6E (Optional)
<b>Bluetooth</b>	Optional Bluetooth 5.2
<b>Peripheral Other</b>	Optional MSR

## Certification

<b>Certifications</b>	CE, EN60601-1, FCC, UL60601-1 / EN60601-1
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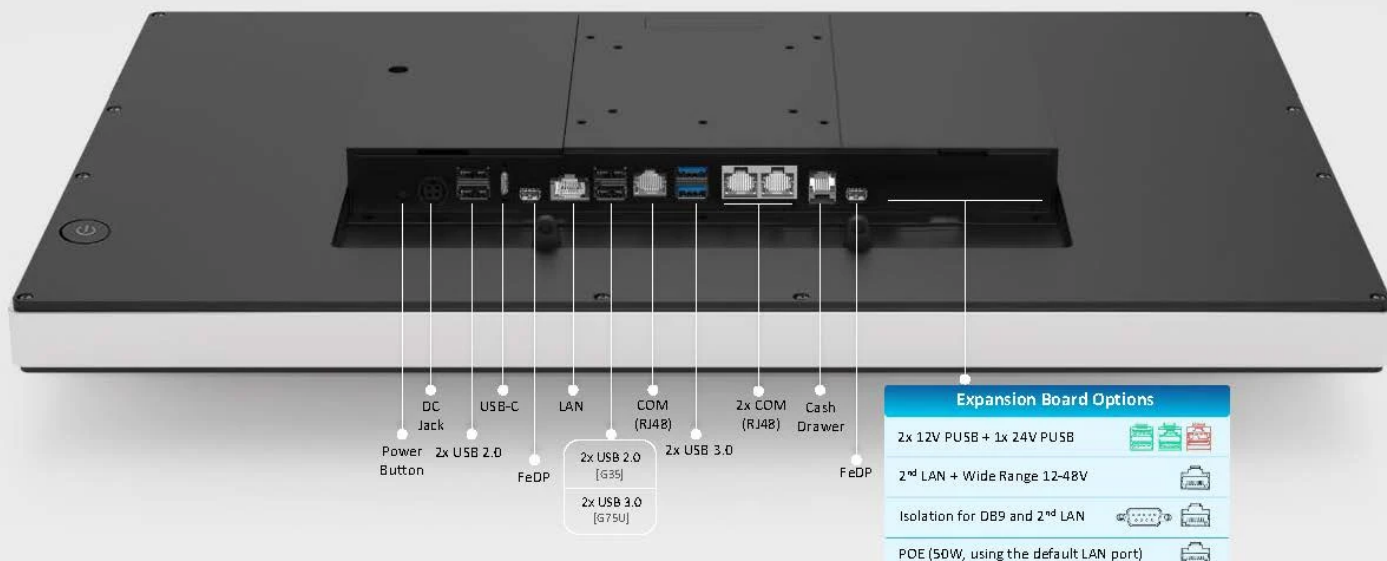
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## I/O Diagram Images



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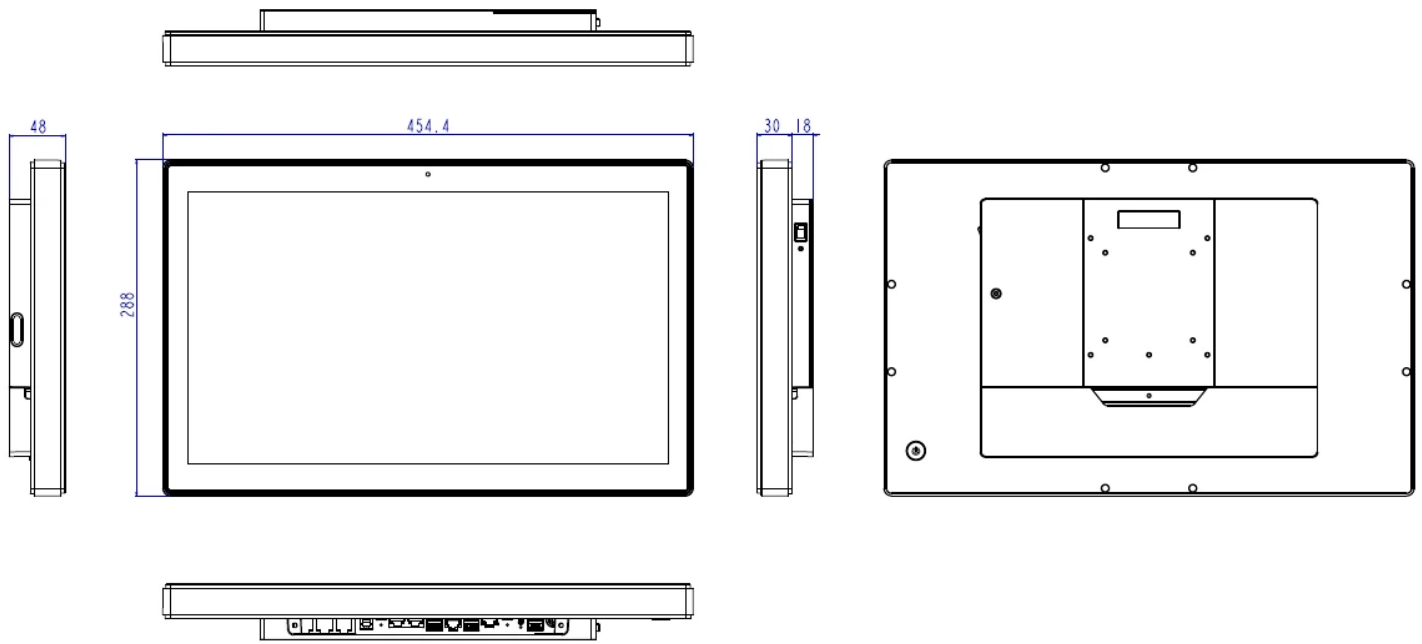
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## Tech Diagram Images



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