

# HORIZON TM-6140-22

21.5" Medical Touch Screen Computer



## Key Highlights

- 21.5" PCAP Touch Display
- 12th Generation Alder Lake-N processor
- Tough form factor for rugged operation
- Options for POE and wide input DC power
- Option to upgrade to Core i3
- [Durable Flat Wi-Fi Antenna Kit](#)

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The 21.5" Medical Touch Screen Computer is engineered to meet stringent medical compliance standards while offering unparalleled versatility. Designed for seamless integration into medical workflows, it serves as a reliable solution for bedside terminals and electronic health record management. The powerful 12th Gen Alder Lake-N processor ensures efficient performance, enhancing productivity in healthcare environments. The modular, two-piece design not only simplifies repairs but also allows for future upgrades, ensuring longevity and adaptability to evolving technological needs. This terminal represents a forward-looking approach to healthcare computing, prioritizing reliability, efficiency, and flexibility.

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# Technical Specifications

## Primary Components

Processor Family	Intel Core I series 12th Generation Alder Lake
Processor Model	Core i3-N305, Intel Processor N97
Processor Speed	Up to 3.6 GHz, Up to 3.8 GHz
Memory Type	1x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB
Storage Support	128GB-1TB

## Power

Input Voltage Range	12-48V DC
Standard Power Adapter	External 19V/3.42A 65W DC Power Adapter (120W Adapter with Powered USB Option)

## Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 11 IoT, Windows 11 Pro
Linux	Linux

## Expansion Slots

Internal M.2	1x M.2 2230 Key E (for WiFi expansion option), 1x M.2 for NVME SSD Support
Expansion Module support	1x Expansion Board Slot with Options for POE, Wide Range Power, Isolated Serial & LAN and Powered USB

## Thermal & Environmental

Operating Temperature	0°C - 40°C (32°F - 104°F)
Storage Temperature	-20°C - 60°C (-4°F - 140°F)
Cooling Solution	Passive
Humidity Range	20% - 85% Non-condensing

## Peripherals & Wireless Connectivity

WiFi	Optional WiFi 6 (AX)
Bluetooth	Optional Bluetooth 5.2

## Weight / Dimensions

Weight	6 kg (13.2 lbs)
Dimensions	521 x 325 x 47 mm (20.5 x 12.8 x 1.9 in)

Specifications subject to change.

## Display

Screen Size	21.5
Screen Ratio	16:09
Brightness	250 nits

## Touch Screen

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

USB	1x USB 3.0 type C, 2x USB 3.0, 4x USB 2.0
Serial / Com	3x RJ48 COM
Serial Protocol Detail	RS232
Ethernet / LAN	1x RJ45 GbE LAN
Video Outputs	1x DisplayPort via USB-C Alt Mode
Other Ports	1x RJ11
Power Input Port	4-Pole DIN (latching)

## Multimedia

Speakers	1x 3W Speaker
Camera	Optional 5MP Webcam

## Enclosure

Material	Aluminum
IP Rating	IP54 Front Bezel
Color	Black Touch w/ Silver Border and Black Rear (Default) or White Rear (Optional)
Led Indicator Light	Power
Control Buttons	Power Button, Power Switch
Mounting Options	VESA Mount

## Certification

Certifications	CE, FCC
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## Warranty

Warranty	Up to 5 Years
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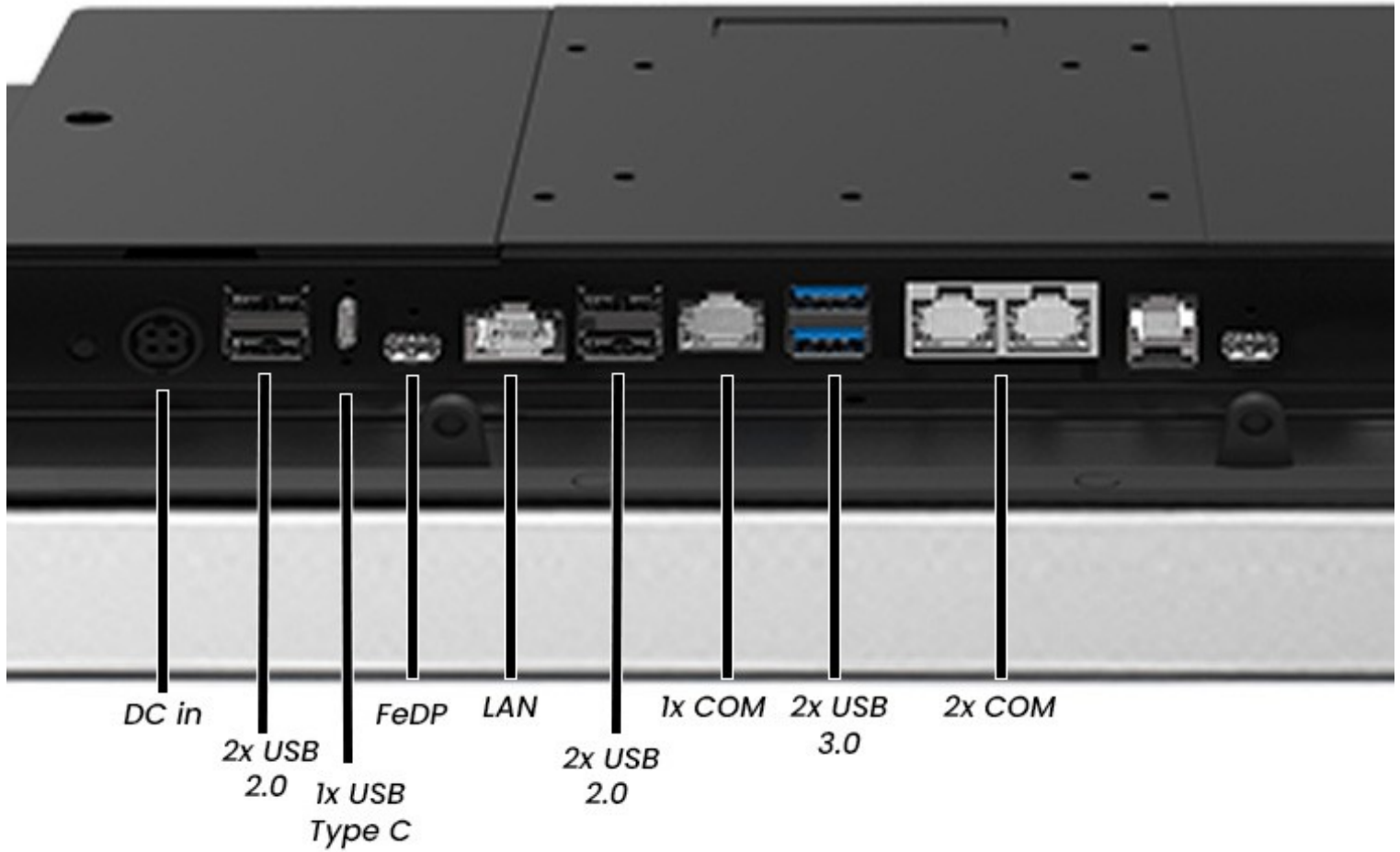
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## I/O Diagram Images



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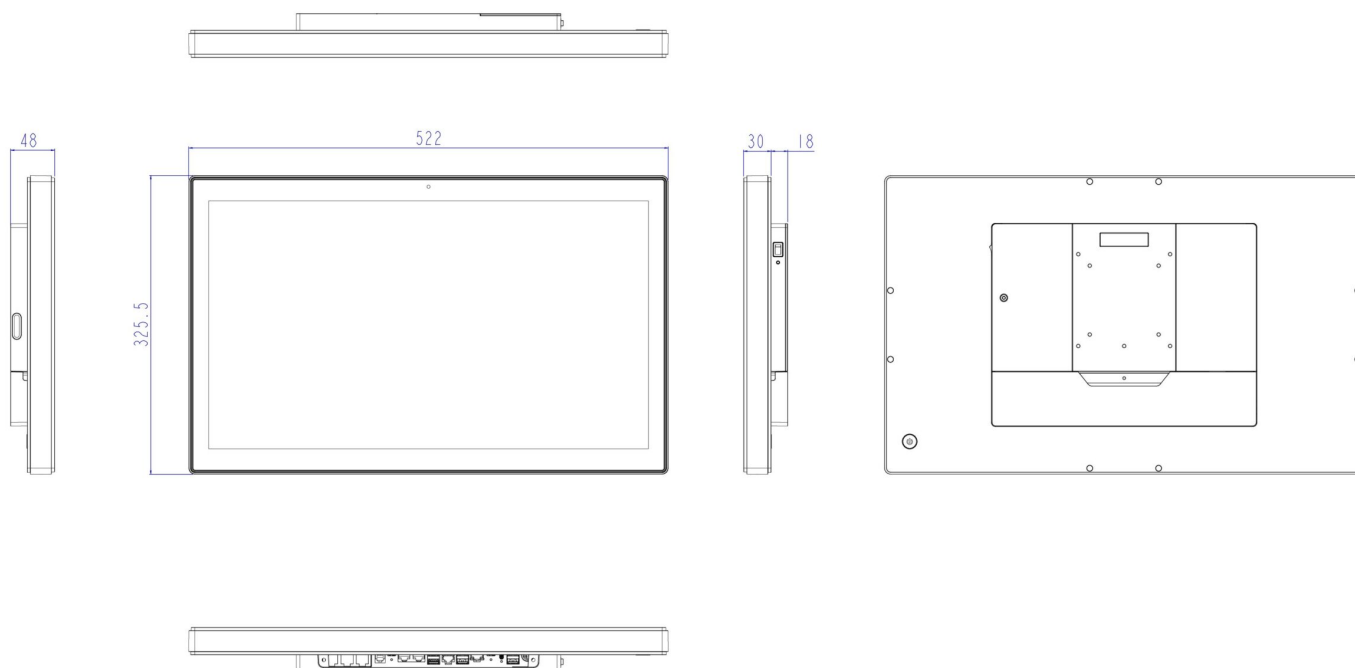
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# Tech Diagram Images



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