TEGUAR

HORIZON TM-6140-22I

21.5" Fanless All in One PC | Horizon



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

VIEW ONLINE

The 22" Fanless All in One PC offers modern advancements tailored for rugged application. Designed for seamless integration into industrial workflows, it serves as a versatile solution for operations terminals and data management. With a focus on durability that still maintains an elegant look, this PC ensures reliability and safety even in hazardous settings. The advanced 12th Gen Alder Lake-N processor from Intel® delivers exceptional performance, enabling smooth and efficient operation. Featuring multiple inputs and outputs, the TM-6140-22i offers extensive connectivity options for enhanced versatility and productivity in any facility.

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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

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	IP65 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

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)

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)

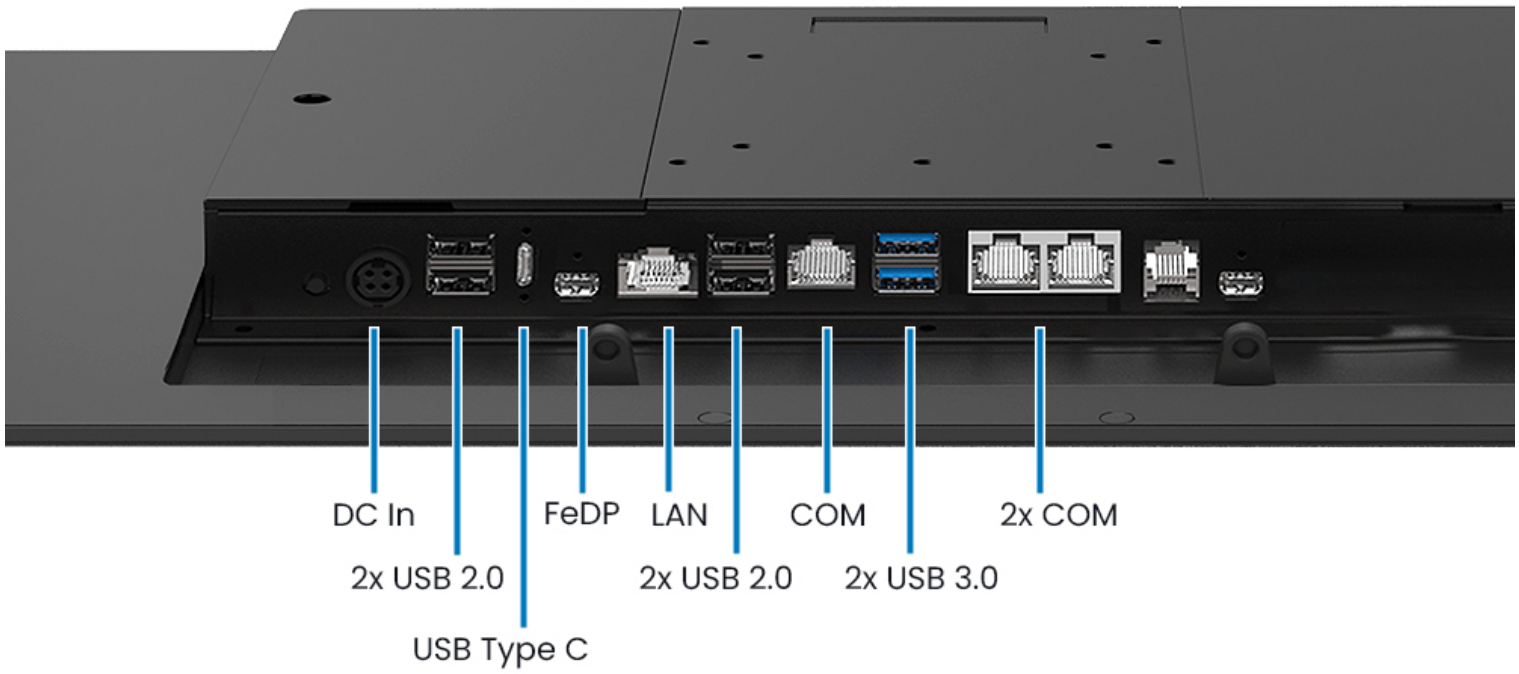
Specifications subject to change.

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I/O Diagram Images

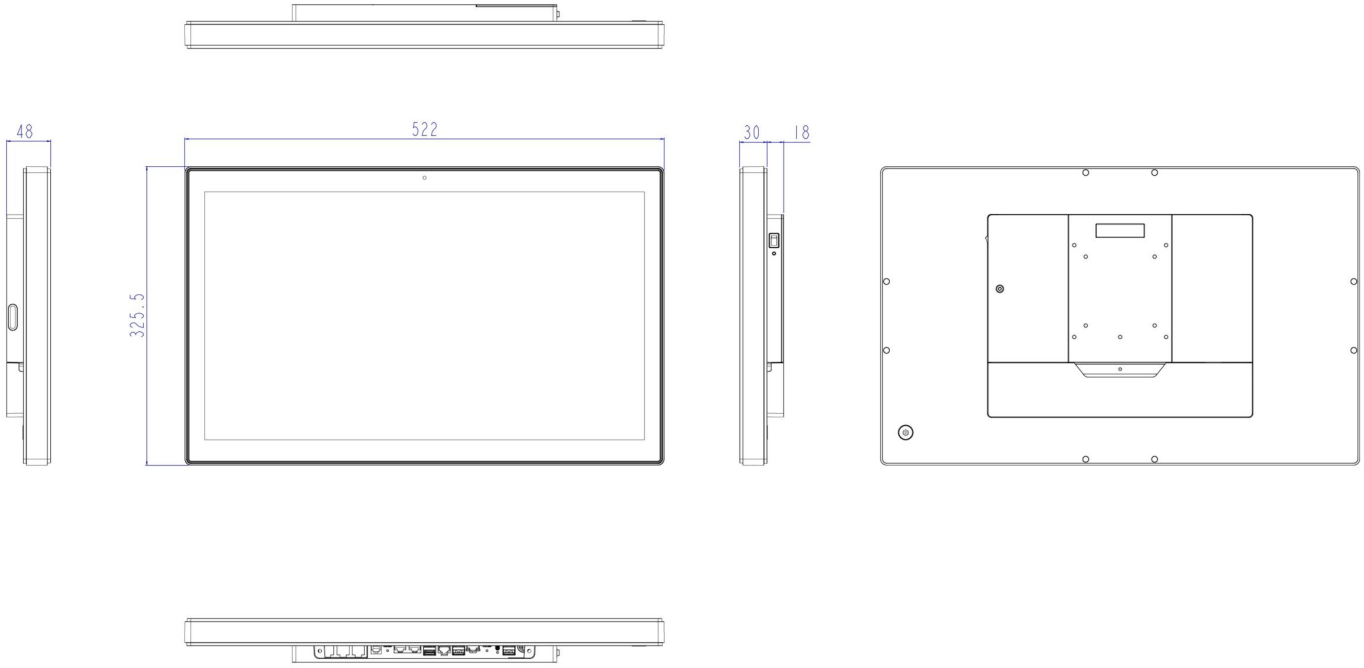


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Tech Diagram Images



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