TEGUAR

TM-5957-22

22" Medical Computer

Key Highlights

- Intel 11th Gen Tiger Lake Core i5/i7 CPU
- Windows 11 Operating System
- Latest 4th Edition 60601 Medical Certifications
- Empowered by Hailo-8 M.2 AI module up to 26 TOPS (available upon request)
- Lightweight, Ultra-thin Design w/ Antimicrobial Housing
- High-Speed NVMe SSD Storage
- Need customization? Click here for OEM services.

VIEW ONLINE

The TM-5957-22 features a powerful 11th generation Intel Core Tiger Lake i5/i7 processor capable of running Windows 11. Measuring at 44 mm in width and weighing only 11 pounds, this medical computer is the lightest medical computer in its class. The lightweight design makes it best-in-class for medical carts and bedside terminals that have been overweight and difficult to maneuver for too long. The front is IP65 rated with medical grade anti-bacterial coated plastic, so this PC can withstand spills, sprays and repeated wipe downs with cleaning chemicals. Because of the fanless cooling system, this PC has quiet operation and prevents the spread of dust and germs. For easy integration with other medical devices, the TM-5957-22 comes standard fully packed with WiFi 6, BT 5.2, a front camera, and even isolated I/Os. Healthcare personnel can switch rooms without having to power down the computer, or use a heavy battery powered cart, because this medical panel computer has an optional battery pack that provides about two hours of power.

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Technical Specifications

Primary Components

Processor Family	Intel Core I series 11th Generation Tiger Lake
Processor Model	Core i5 1145G7E, Core i7-1185G7E
Processor Speed	Up to 2.8 GHz
Memory Type	2x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB, 64GB
Storage Type	2x NVME SSD M.2 2280
Storage Support	256GB (Standard), up to 1TB (Optional)

Power

Input Voltage Range	19V DC
Standard Power Adapter	4.74 Amp AC/DC Adapter

Battery

Battery Type	Optional Internal Battery
Battery Operating Time	2hrs

Operating Systems

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

Expansion Slots

Internal M.2	1x M.2
Other	Dual RFID & Dual SmartCard

Thermal & Environmental

Operating Temperature	0°C - 40°C (32°F – 104°F)
Storage Temperature	-10°C - 55°C (14°F – 131°F)
Cooling Solution	Passive – Fanless

Peripherals & Wireless Connectivity

WiFi	Wifi 802.11 a/b/g/n/ac/ax Wifi 6
Bluetooth	Bluetooth 5.2
Peripheral Other	Reading Lights, Camera Privacy Latch

Certification

Certifications	60601-1 4th Edition, ANSI/AAMI ES60601-1:2005;A1:2012;A2:2021, CAN/CSA-C22.2 No. 60601-1-1:14; A2:2022, CAN/CSA-C22.2 No. 60601-1-6:11, CAN/CSA-C22.2 No. 62368-1:19, EN 55011:2016+A2:2021 (RF), FCC Class B, IEC 61000-3-2 (EMC), IEC 61000-3-3 (EMC), ITE 62368, UL 62368-1:Ed.3,2019(R2021

Warranty

Warranty	Up to 5 Years

Display

Screen Size	21.5
Screen Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:09
Brightness	500 nits

Touch Screen

Touch Screen	Projected Capacitive (Multi-touch)

External I/O Ports

USB	4x USB 3.2, 5x USB 2.0
Serial / Com	4x COM
Serial Protocol Detail	4x RS232 (RJ48)
Ethernet / LAN	2x RJ45 GbE LAN
Video Outputs	1x HDMI
Audio Ports	1x 3.5mm Headphone Jack

Compatibility

Security Hardware	TPM 2.0

Multimedia

Speakers	2x 3W Speakers
Camera	Standard
Microphone	2x Built-in Microphones

Enclosure

Material	Plastic
IP Rating	IP65 Front Bezel
Color	White
Control Buttons	Display on/off, On-Screen Display (OSD), Power Button
Mounting Options	VESA 100 Mount, VESA 75 Mount

Weight / Dimensions

Weight	5.8 kg (12.8 lbs)
Dimensions	529.8 x 346.7 x 45 mm (20.9 x 13.6 x 1.8 in)

Specifications subject to change.

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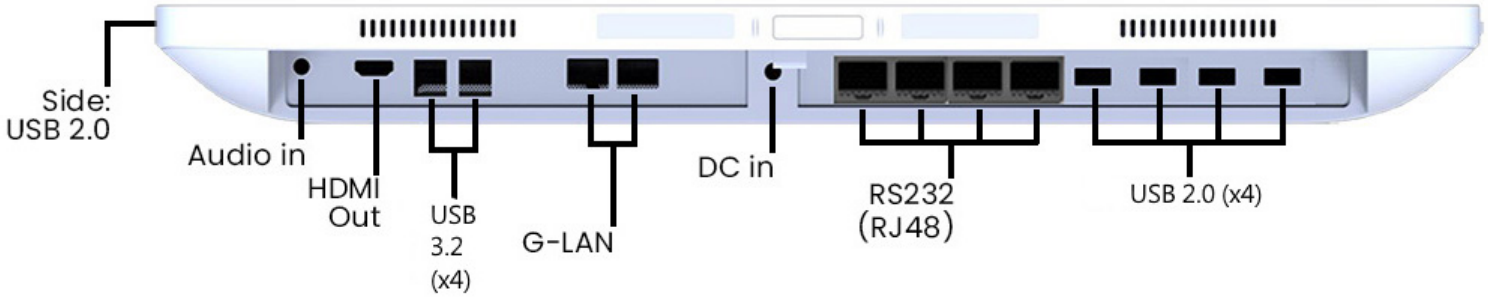
I/O Diagram Images



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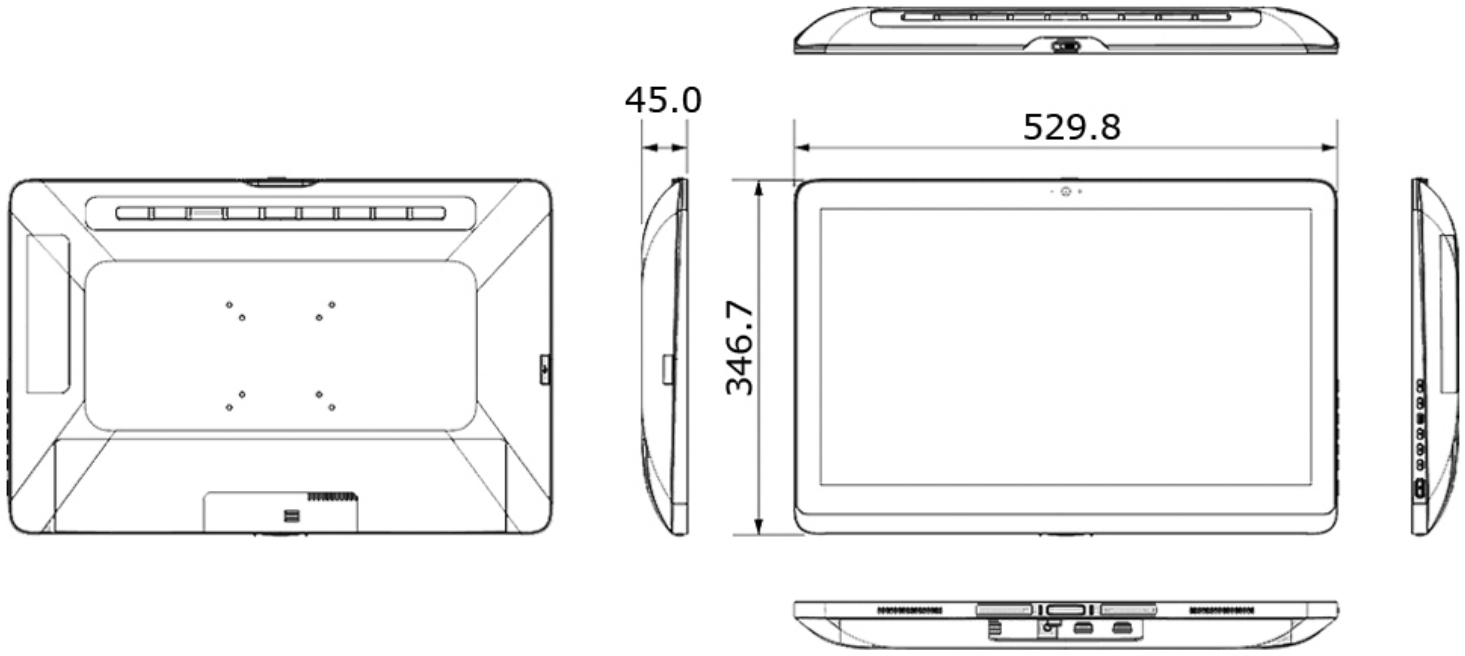
Tech Diagram Images



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