TEGUAR

TME-5940-22

22" Battery Powered Medical Computer



Key Highlights

- 21.5" Flush Front HD Display with PCAP Touch
- Intel 11th Generation Tiger Lake CPU
- Windows 11 Compatible
- 3-Bay Hot Swappable Batteries
- Power Output for PTZ Cameras
- Accessible SSD Bay Door
- Need customization? Click here for OEM services.

VIEW ONLINE

The 22" Battery Powered Medical Computer redefines healthcare technology, integrating a powerful 11th Gen Tiger Lake CPU and the intuitive Windows 11 OS. Its standout feature, the 3-bay hot-swappable batteries, ensures continuous operation, minimizing downtime in critical medical scenarios. With advanced connectivity through WiFi 6 and Bluetooth, seamless data exchange and communication are guaranteed. The inclusion of RFID and a smart card reader enhances security, providing healthcare professionals with secure access to sensitive data. This innovative combination of features in the 22" Battery Powered Medical Computer symbolizes a commitment to efficiency, reliability, and advanced technology in the medical field.

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Technical Specifications

Primary Components

Processor Family	Intel Core I series 11th Generation Tiger Lake
Processor Model	Core i5 1145G7E
Processor Speed	1.5 GHz, Up to 4.1 GHz
Memory Type	2x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB
Storage Type	2x NVME SSD M.2 2280
Storage Support	32GB-1TB

Power

Input Voltage Range	12-48V DC

Battery

Battery Type	Optional Hot Swappable Battery

Operating Systems

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

Expansion Slots

Internal M.2	1x M.2 Slot half-size Type E

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	802.11 AX
Bluetooth	Bluetooth 5.1
RFID	Optional RFID Reader

Certification

Certifications	60601-1 3.2 Edition, CE, FCC, LVD

Specifications subject to change.

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

External I/O Ports

USB	2x USB 2.0, 4x USB 3.0
Serial / Com	2x RJ48, 1x DB9
Ethernet / LAN	2x RJ45 GbE LAN
Other Ports	1x Powered USB 24V
Audio Ports	1x Audio Line-Out, 1x Mic-In
Power Input Port	4-Pole DIN (latching)

Compatibility

Security Hardware	TPM 2.0

Multimedia

Speakers	1x 3W Speaker
Camera	Optional 5MP Webcam

Enclosure

Material	Anti-Microbial, Plastic
IP Rating	IP65 Front Bezel
Color	White
Control Buttons	Power Button
Mounting Options	VESA 100 Mount, VESA 75 Mount

Weight / Dimensions

Weight	5.5 kg (12.1 lbs)
Dimensions	533 x 59 x 325 mm (21.0 x 2.3 x 12.8 in)

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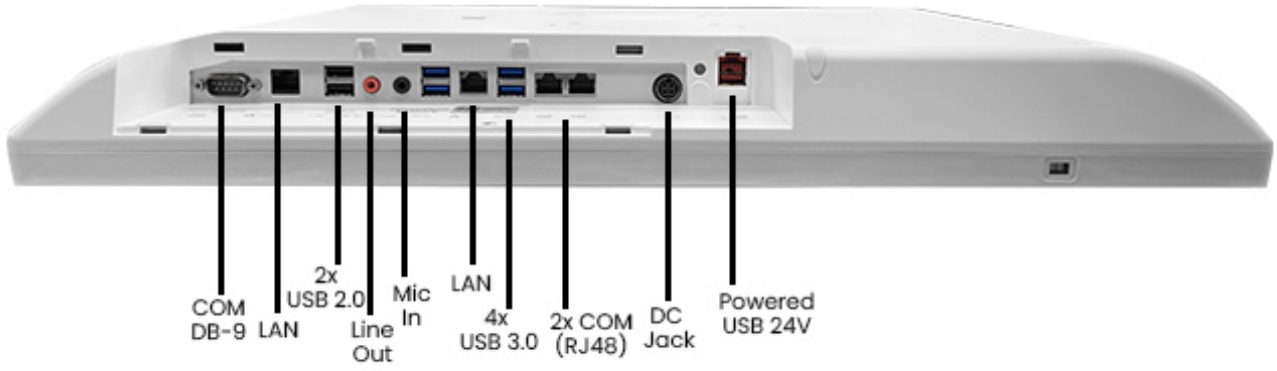
I/O Diagram Images



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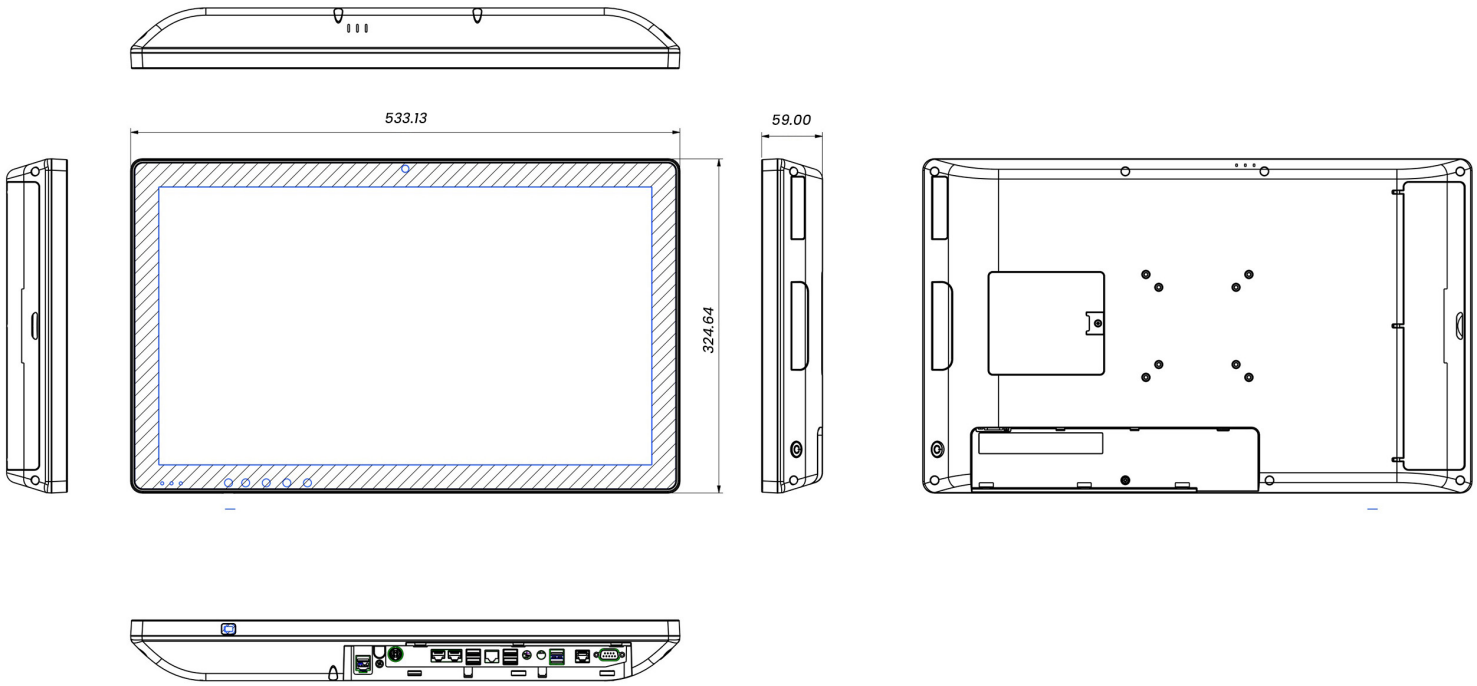
Tech Diagram Images



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