TEGUAR

TM-5510-22

22" Mobile Medical Computer



Key Highlights

- 21.5" Full Flush HD PCAP Touchscreen
- 7th Gen Intel Core i3/i5/i7 or Celeron Processor
- Easy Access Hot-Swappable Batteries for 24/7 operation
- Two DDR4 RAM Slots up to 32 GB RAM
- Anti-bacterial Housing with Front Control Buttons
- Optional Gen 2 USB 3.1/ Isolated I/Os
- UL/EN 60601-1 4th Edition Medically Certified
- SCR / NFC Readers & Wi-Fi/BT available

VIEW ONLINE

The TM-5510-22 features three hot-swappable batteries which enable users with endless operation. Reduce total cost of ownership and eliminate power cords by having non-powered Work Stations on Wheels (WOW). The power output also allows you to power peripherals such as printers, barcode scanners and external readers directly from the computer. The high-resolution HD touchscreen and latest Intel Kabylake CPU make the TM-5510-22 a premier choice in medical computers. This PC is ideal for applications including nursing stations, operating room imaging system, radiology information systems and other EMR systems, including EPIC software. Its fanless system prevents the spread of germs and allows for silent operation. This medical PC is UL/EN 60601-1 4th Edition Certified and has easy-clean, anti-bacterial housing to prevent bacteria growth and an IP65 rated front bezel that can resist harsh cleaning chemicals.

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Technical Specifications

Primary Components

Processor Family	Intel Core I series 7th Generation Kaby Lake
Processor Model	Core i5-7200U
Processor Speed	2.5 GHz
Memory Type	2x DDR4 SO-DIMM
Memory Support	4GB, 8GB, 16GB, 32GB
Storage Type	1x 2.5" SATA Drive Bay for SSD/HDD, M.2
Storage Support	32GB-1TB

External I/O Ports

USB	2x Optional USB 3.1, 4x USB 3.0
Serial / Com	2x COM
Serial Protocol Detail	1x RS-232, 1x RS-232/422/485
Ethernet / LAN	2x RJ45 GbE LAN
Video Outputs	2x DisplayPort
Audio Ports	1x Audio Line-Out, 1x Mic-In

Compatibility

Security Hardware	Optional TPM 2.0, Intel VPro

Multimedia

Speakers	2x 2W Speakers
Camera	Optional 5MP Webcam
Microphone	Built-in Microphone

Enclosure

Material	Anti-Microbial, Plastic
IP Rating	IP65 Front Bezel
Color	White
Led Indicator Light	Battery, Clean me, Fn Key, LCD On/Off
Control Buttons	Audio Down, Audio Up, Brightness Down, Brightness Up, Display on/off, Reading Light, Touchscreen Lock for Cleaning
Programmable Function Buttons	1x Programmable Function Key
Mounting Options	Table Mount, VESA 100 Mount, Wall Mount
Approved Cleaning Solutions	Acetic Acid (low concentration), Ammonium Nitrate (low concentration), Benzine, Citric Acid (low concentration), Ethanol, Ethylene Glycol Solution (1:1 with water), Hexane, Hydrochloric Acid (low concentration), Iron Chloride Solution, Isooctane, Isopropyl Alcohol, Nitric Acid (low concentration), Paraffin, Perhydrol (30% in water), Phosphoric Acid (low concentration), Propane, Silicone Oil, Sodium Carbonate (low concentration), Sodium Chloride Solution, Sodium Nitrate (low concentration), Sulfuric Acid (low concentration), Triethylene Glycol

Display

Screen Size	21.5"
Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	250 nits

Touch Screen

Touch Screen	Projected Capacitive (Multi-touch)
Hardness	7H

Power

Max Power Consumption	93.8W
Standard Power Adapter	90-264V / 47~63 Hz

Battery

Battery Type	Optional Hot Swappable Battery
Battery Operating Time	8hrs

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 7 Pro

Expansion Slots

Video Card Support	Intel HD620

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
Storage Humidity	10% – 90% Non-condensing

Weight / Dimensions

Weight	7 kg (15.4 lbs)
Dimensions	541 x 353 x 56 mm (21.3 x 13.9 x 2.2 in)

Certification

Certifications	60601-1 4th Edition, CE, FCC, IEC 62133, UL 60950, VCCI Class B

Warranty

Warranty	1 Year

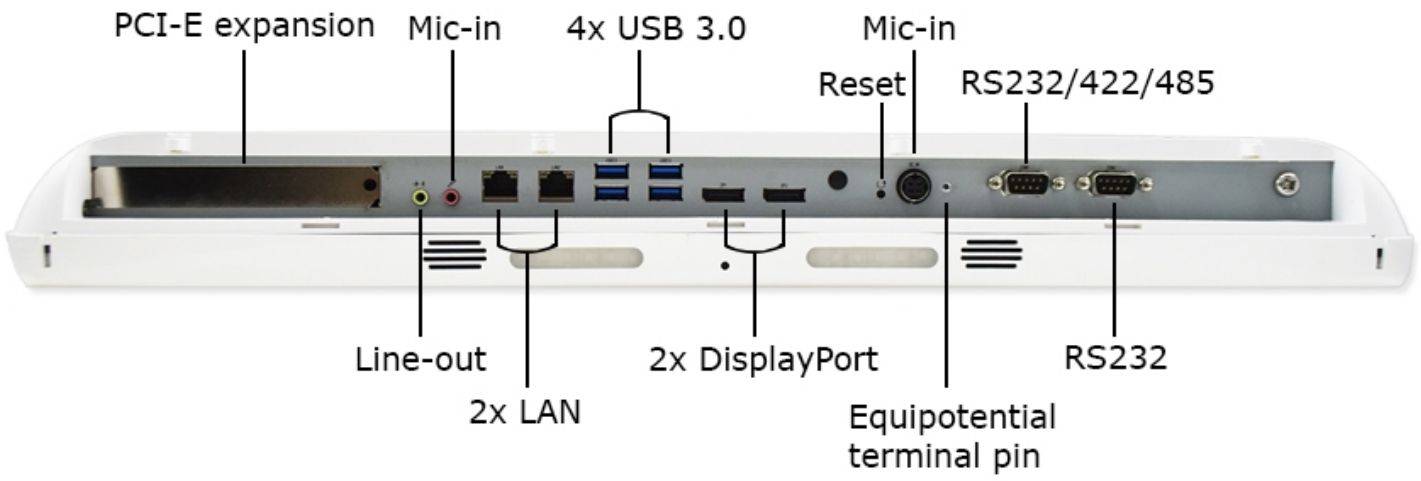
Specifications subject to change.

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I/O Diagram Images

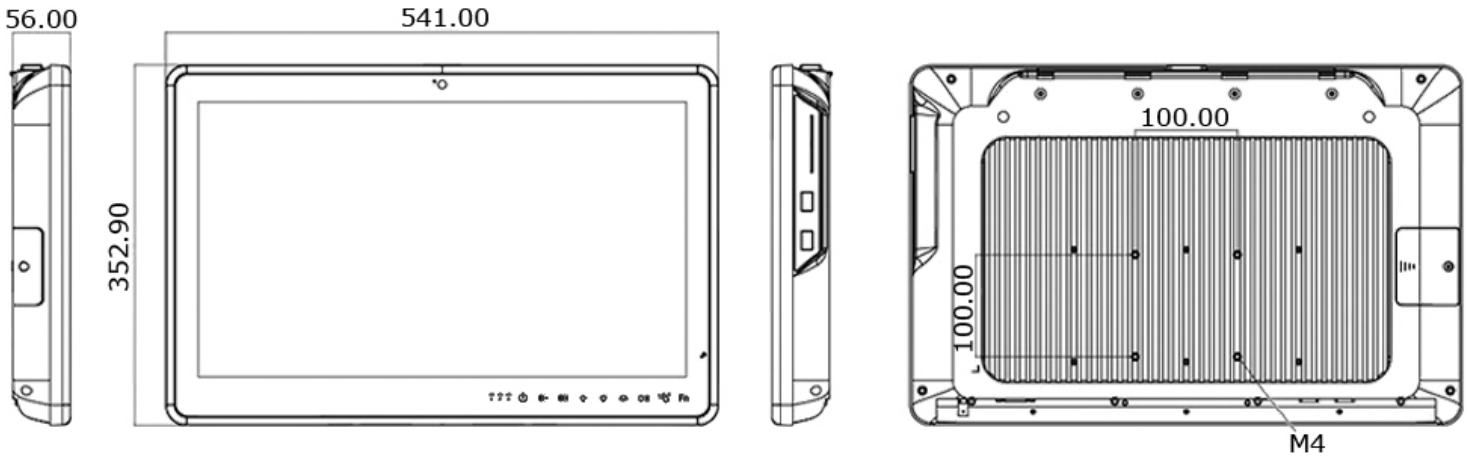


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Tech Diagram Images



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