24" Medical Cart Computer with Hot Swappable Batteries | TM-5510-24

TEGUAR®

Features

- 23.8" Pcap Touchscreen
- 7th Gen Intel Core i5/i7 Processor
- Easy Access Hot-Swappable Batteries for 24/7 operation
- 60601-1 4th Edition Medically Certified
- 1x PCI-Ex4 Slot
- Anti-bacterial Housing with Front Control Buttons
- Optional TPM 2.0 Security

Technical Specifications

General

Main Category	Medical Computer

Primary Components

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

Display

Screen Size	23.8"
Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	250 nits
Contrast Ratio	3000:1
Viewing Angle	178º (H), 178º (V)
Number of Colors Supported	16.7M

Expansion Slots

Internal Mini PCIe	1x Mini-PCIe
PCIe Slot	Yes
PCIe Expansion Details	1x PCI-E (x4)
video card support	Intel HD620

Multimedia

Camera	Optional 5MP Webcam
Microphone	Built-in Microphone

Thermal and Environmental

Operating Temperature	Array (32°F – 104°F)
Storage Temperature	Array (-4°F – 140°F)
Humidity Range	10% – 90% Non-condensing
Storage Humidity	10% – 90% Non-condensing
Cooling Solution	Passive – Fanless

Touch Screen

Touch Screen	Projected Capacitive (Multi-touch)
Light Transmission	90±3%
Hardness	7H

Enclosure

Material	Plastic
Ip Rating	IP65 Front Bezel
Color	White
Antibacterial Housing	Yes - Tested to ISO 22196 Standard
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
Approved Cleaning Solutions	Alcohol, Chlorine and Compounds, Glutaraldehyde, Hydrogen Peroxide, Ortho-phthalaldehyde (OPA), Quaternary Ammonium Compounds
Cleaning Instructions	View instructions here

External I/O ports

USB	4x USB 3.0, 2x Optional 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	1x Audio Line-Out

Peripherals & Wireless Connectivity

Power

Standard Power Adapter	100~240V / 47~63 Hz

Dimensions / Weight

Weight	9 KG (19.8 lbs)
Dimensions	594 x 397 x 56 mm (23.4 x 15.6 x 2.2 in)

Battery

Type	Optional Hot Swappable Battery
Quantity	3x Batteries

Certification

Certifications	60601-1 4th Edition, CE, Energy Star 6.1 Compliance, FCC Class B, IEC 62133, UL 60950

Operating Systems

Windows	Windows 10 IoT

Warranty

Warranty	1 Year

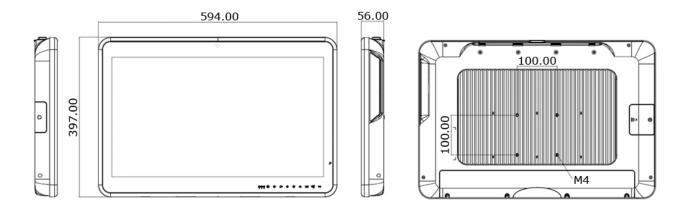## Compatibility

		Filters
Security Hardware	Optional TPM 2.0, Optional VPro	

Inputs / Outputs

Technical Drawings

All specifications are subject to change without notice.