

# TM-5510-24

## 24" Medical Cart Computer with Hot Swappable Batteries



### Key Highlights

- 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

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The TM-5510-24 features three [hot-swappable](#) batteries which give you 24/7 runtime, ideal for non-powered medical carts or Work Stations on Wheels (WOW). The high-resolution HD touchscreen and high performance Intel Kabylake CPU make this computer 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. The TM-5510-24 is 60601-1 4th Edition Certified and EMC 4.0/ Safety 3.1 Certified. It 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        | 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                                     |

| External I/O Ports     |                                 |
|------------------------|---------------------------------|
| USB                    | 2x Optional USB 3.0, 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               |

| Expansion Slots    |             |
|--------------------|-------------|
| Video Card Support | Intel HD620 |

| 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 – Fanless           |
| Humidity Range          | 10% – 90% Non-condensing    |
| Storage Humidity        | 10% – 90% Non-condensing    |

| Weight / Dimensions |                                          |
|---------------------|------------------------------------------|
| Weight              | 9 kg (19.8 lbs)                          |
| Dimensions          | 594 x 397 x 56 mm (23.4 x 15.6 x 2.2 in) |

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

| Warranty |        |
|----------|--------|
| Warranty | 1 Year |

Specifications subject to change.

| Display      |                       |
|--------------|-----------------------|
| Screen Size  | 23.8"                 |
| Resolution   | 1920 x 1080 (Full HD) |
| Screen Ratio | 16:9                  |
| Brightness   | 250 nits              |

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

| Power                  |                     |
|------------------------|---------------------|
| Standard Power Adapter | 100-240V / 47-63 Hz |

| Battery      |                                |
|--------------|--------------------------------|
| Battery Type | Optional Hot Swappable Battery |

| Operating Systems |                |
|-------------------|----------------|
| Windows           | Windows 10 IoT |

| Compatibility     |                                 |
|-------------------|---------------------------------|
| Security Hardware | Optional TPM 2.0, Optional VPro |

| Multimedia |                     |
|------------|---------------------|
| Camera     | Optional 5MP Webcam |
| Microphone | Built-in Microphone |

| Enclosure                     |                                                                                                                               |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Material                      | 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                                                                                                   |
| Approved Cleaning Solutions   | Alcohol, Chlorine and Compounds, Glutaraldehyde, Hydrogen Peroxide, Ortho-phthalaldehyde (OPA), Quaternary Ammonium Compounds |

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## I/O Diagram Images



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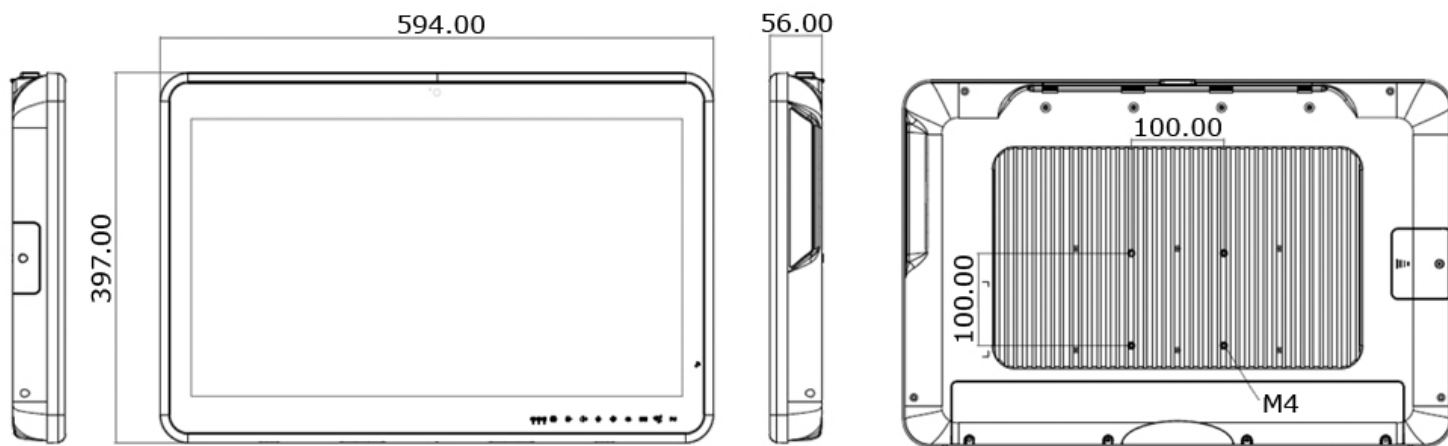
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## Tech Diagram Images



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