



## 582TM/584TM Medical-Cart Computer

### All-in-One Computer with Integrated Swappable Batteries for Point-of-Care Applications

Powered by high-performance Intel® Core™ Ultra processors, the 582TM/584TM All-in-One Medical Cart Computers feature 22" and 24" high-resolution capacitive touchscreens, providing a wide viewing area for enhanced readability and efficient operation. The optional hot-swappable batteries ensure uninterrupted workflow, while the VESA-standard mounting design allows for easy installation and flexible placement. Built-in Wi-Fi and additional data capture options further streamline point-of-care processes. Designed for hospitals and clinics, the 582TM/584TM Medical Cart Computers support a variety of point-of-care applications. A range of accessories, including batteries, multi-battery chargers, desktop stands, and cart battery holsters, enhance usability and improve productivity.

#### Features

- Integrated hot-swappable batteries (optional, up to 3 batteries)
- 22" or 24" high-resolution touchscreen
- Intel® Core™ Ultra processor
- Microsoft® Windows® 10/11 IoT Enterprise or Ubuntu OS
- Fanless, space-saving all-in-one design with antimicrobial enclosure
- VESA compatibility to maximize installation flexibility
- Built-in LED reading light
- HDMI video-out, support up to 4K UHD resolution
- ANSI/AAMI ES60601-1 certified
- IP65 sealed front bezel and IPX1 back cover enclosure

#### Major Options

- Power Supply Outputs
- IR Camera
- NFC/RFID Reader
- Smart Card/CAC Reader
- DC-Out (12V x 1 / 19V x 1 / 24V x 1)



# Specifications



|       |       |       |
|-------|-------|-------|
| Model | 582TM | 584TM |
|-------|-------|-------|

## System

|                         |                                                                                                                             |                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| CPU                     | Intel® Core™ Ultra 5 processor 125U, 1.3 GHz(up to 4.3 GHz)<br>Intel® Core™ Ultra 7 processor 155U, 1.2 GHz (up to 4.8 GHz) | Intel® Core™ Ultra 5 processor 125U, 1.3 GHz(up to 4.3 GHz)<br>Intel® Core™ Ultra 7 processor 155U, 1.2 GHz (up to 4.8 GHz) |
| RAM                     | 8GB to 64GB                                                                                                                 | 8GB to 64GB                                                                                                                 |
| Storage                 | 512GB to 1TB Flash                                                                                                          | 512GB to 1TB Flash                                                                                                          |
| Operating System        | Microsoft® Windows® 10/11 IoT Enterprise or Ubuntu                                                                          | Microsoft® Windows® 10/11 IoT Enterprise or Ubuntu                                                                          |
| Display                 | 21.5" Touchscreen                                                                                                           | 23.8" Touchscreen                                                                                                           |
| Display Resolution      | 1920 x 1080                                                                                                                 | 1920 x 1080                                                                                                                 |
| Trusted Platform Module | TPM 2.0                                                                                                                     | TPM 2.0                                                                                                                     |
| Microphone              | Built-In Microphone                                                                                                         | Built-In Microphones                                                                                                        |
| Speaker                 | Build-In Speaker                                                                                                            | Build-In Speaker                                                                                                            |
| Reading Light           | 1 x LED Reading Light                                                                                                       | 1 x LED Reading Light                                                                                                       |

## Network Interface

|      |                                        |     |
|------|----------------------------------------|-----|
| WLAN | Wi-Fi 802.11ax, 2.4/5/6 GHz Three Band |     |
| BT   | 5.3                                    | 5.3 |

## I/O Ports

|                      |                                                                                            |                                                                                            |
|----------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| USB Ports            | 3 x USB 3.2 Gen 2 (Type-A), 2 x USB 2.0 (Type-A),<br>1 x USB 3.2 Gen 2 latest USB/charging | 3 x USB 3.2 Gen 2 (Type-A), 2 x USB 2.0 (Type-A),<br>1 x USB 3.2 Gen 2 latest USB/charging |
| COM Port             | 2                                                                                          | 2                                                                                          |
| HDMI Port            | 1                                                                                          | 1                                                                                          |
| Headphone Jack       | 1 (3.5 mm)                                                                                 | 1 (3.5 mm)                                                                                 |
| Ethernet Port        | 1                                                                                          | 1                                                                                          |
| DC-In Jack           | 1                                                                                          | 1                                                                                          |
| DC-Out (Optional)    | 12V x 1 / 19V x 1/ 24V x 1                                                                 | 12V x 1 / 19V x 1/ 24V x 1                                                                 |
| Switches and Buttons | 1 x Power Button, 4 x Functional Buttons, 1 x Reading Light On/Off Button                  |                                                                                            |

## Mechanical and Environmental

|                        |                                                |                                               |
|------------------------|------------------------------------------------|-----------------------------------------------|
| Fan/Fanless            | Fanless                                        | Fanless                                       |
| AC/DC Adapter          | Input: 100 to 240V AC; Output: 19V DC, 6.31A   | Input: 100 to 240V AC; Output: 19V DC, 6.31A  |
| Battery Pack           | (Optional) 3 x Li-Ion Battery (8250mAh, 90Wh)  | (Optional) 3 x Li-Ion Battery (8250mAh, 90Wh) |
| Enclosure              | ABS + PC Plastic with Antimicrobial Coating    |                                               |
| Dimensions (H x W x D) | 13.6 x 20.4 x 1.6 in/345.9 x 516.9 x 40.4 mm   | 14.6 x 22.2 x 1.62 in/370.9 x 564.3 x 41.2 mm |
| Weight                 | 14.64( w/o battery), 17.81 (w/ batteries) lbs. | 16.4 (w/o battery), 19.58 (w/batteries) lbs.  |
| VESA Mount             | 100 x 100 mm                                   | 100 x 100 mm                                  |
| Water Resistance       | IP65 Sealed Front Bezel and IPX1 Back Cover    | IP65 Sealed Front Bezel and IPX1 Back Cover   |

|                                      |                                                                                                                                             |                                                                                                                                             |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Regulatory and Safety Certifications | ANSI/AAMI ES60601-1, IEC60601-1, IEC60601-1-2, FCC Part 18, FCC Part 15 Class B, GB 17625.1, GB 4943.1, GB/T 9254, CE-EMC, CE-RED, RCM, CCC | ANSI/AAMI ES60601-1, IEC60601-1, IEC60601-1-2, FCC Part 18, FCC Part 15 Class B, GB 17625.1, GB 4943.1, GB/T 9254, CE-EMC, CE-RED, RCM, CCC |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|

|             |                                                                                |  |
|-------------|--------------------------------------------------------------------------------|--|
| Temperature | Operation: 0°C to 40°C (32°F to 104°F); Storage: -20°C to 60°C (-4°F to 140°F) |  |
| Humidity    | 0% to 90% Non-Condensing                                                       |  |

## Major Options

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Camera                | IR Camera                                                   |
| NFC/RFID Reader       | Dual Frequency (Reads 125 KHz and 13.56 MHz Credentials)    |
| Smart Card/CAC Reader | Half-Slot (Reads ISO 7816 T=0, T=1 and 1.8/3/5V Smart Card) |
| DC-Out                | 12V x 1 / 19V x 1/ 24V x 1                                  |

\*Specifications subject to change without notice.

## Accessories

• Desktop Stand



• Medical Grade Adapter



• Battery Gang Charger



• 3-Slot Battery Holster

Supplies powers to the system and peripherals (e.g., Zebra mobile printer and Welch Allyn vital sign monitor).



• Battery



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Product Configurator



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