



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



Product Configurator



www.dtresearch.com/productconfig