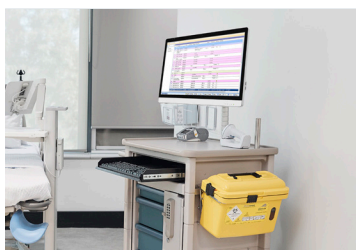# 582TM/584TM
Medical-Cart Computer

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

Powered by a powerful Intel® Core™ Ultra processor, the 582TM/584TM All-in-One Medical-Cart Computer features a 22"/24" easy-to-read display to provide at-a-glance examination to ensure efficient operation. With the optional hot-swappable batteries, patient data can be managed fluidly without operations being interrupted due to the act of replacing batteries, while the VESA standard mounting design makes installation an effortless task. The built-in Wi-Fi and other optional data-capture modules further improve the point-of-care process.With these extensive features, the 582TM/584TM is ideal for hospitals and clinics in any point-of-care scenarios.

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
- 5M Front Camera or 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 5 processor 135U, 1.6 GHz(up to 4.4 GHz) Intel® Core™ Ultra 7 processor 155U, 1.2 GHz (up to 4.8 GHz) Intel® Core™ Ultra 7 processor 165U, 1.7 GHz (up to 4.9 GHz)	Intel® Core™ Ultra 5 processor 125U, 1.3 GHz(up to 4.3 GHz) Intel® Core™ Ultra 5 processor 135U, 1.6 GHz(up to 4.4 GHz) Intel® Core™ Ultra 7 processor 155U, 1.2 GHz (up to 4.8 GHz) Intel® Core™ Ultra 7 processor 165U, 1.7 GHz (up to 4.9 GHz)
RAM	8GB to 64GB	8GB to 64GB
Storage	256GB to 4TB Flash	256GB to 4TB 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 Interface

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 (Type-C)	3 x USB 3.2 Gen 2 (Type-A), 2 x USB 2.0 (Type-A), 1 x USB 3.2 Gen 2 (Type-C)
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 & 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 – 240V AC; Output: 19V DC, 6.31A	Input: 100 – 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		
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 × 100 mm	100 × 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 ~ 40°C (32°F ~ 104°F); Storage: -20°C ~ 60°C (-4°F ~ 140°F)	
Humidity	0% ~ 90% Non-Condensing	

Major Options

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

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