![DT Research www.dtresearch.com]

582T/ 584T
Medical-Cart Computer

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

The 582T/ 584T Medical-Cart Computer, an All-in-one Medical Computer, integrates a 22" or 24" screen, powerful yet energy-efficient Intel® Pentium® Gold or Core™ i platform processor computing platform and hot-swappable batteries (optional) in a compact, mountable package with antimicrobial coating to facilitate mobility for healthcare applications. With WLAN, Bluetooth, and optional data-capture modules, this Medical-Cart Computer is ideal for health professionals to manage information and eliminates the need to purchase costly medical cart batteries.

Features

- Integrated hot-swappable batteries (optional, up to 3 batteries)
- High contrast 22" or 24" capacitive touch screen
- Intel® 10th Generation Pentium® Gold or Core™ i processor
- Fanless design; IP65 rated front panel with IPX2 rated enclosure
- ANSI/AAMI ES60601-1 certified with antimicrobial enclosure
- Built-in LED reading light
- Power supply outputs - 12V, 19V and 24V
- HDMI video-out, support up to 4K UHD resolution
- VESA-mountable for flexibility in mounting and deployment

Major Option

- Front camera
- NFC/RFID reader
- Smart card/CAC reader

Specifications

Model	582T	584T

System

CPU	Intel® Pentium® Gold-G6400T, 2-core, 3.4GHz Intel® Core™ i5-10500T, 2.3GHz (up to 3.8GHz) Intel® Core™ i7-10700T, 2.0GHz (up to 4.5GHz) Intel® Core™ i9-10900T, 1.9GHz (up to 4.6GHz)	Intel® Pentium® Gold-G6400T, 2-core, 3.4GHz Intel® Core™ i5-10500T, 2.3GHz (up to 3.8GHz) Intel® Core™ i7-10700T, 2.0GHz (up to 4.5GHz) Intel® Core™ i9-10900T, 1.9GHz (up to 4.6GHz)
RAM	8GB to 64GB	8GB to 64GB
Storage	256GB to 4TB Flash	256GB to 4TB Flash
Operating System	Microsoft® Windows® 10 IoT Enterprise or Ubuntu	
Display	21.5" TFT-LCD	23.8" TFT-LCD
Display Resolution	1920 x 1080	1920 x 1080
Trusted Platform Module	TPM 2.0	TPM 2.0
Control Buttons	1 power and 4 functional buttons	1 power and 4 functional buttons
Reading Light	LED reading light x 1	LED reading light x 1
Microphone and Speaker	Built-in microphones and speaker	Built-in microphones and speaker

Network Interface

WLAN	Ethernet 10/ 100/ 1000 MB Base-T LAN; Wi-Fi 802.11ax, 2.4GHz/ 5GHz dual band	
Bluetooth	Bluetooth 5.1	Bluetooth 5.1

I/O Ports

USB Ports	USB 2.0 x 2 and USB 3.0 x 4	USB 2.0 x 2 and USB 3.0 x 4
COM Port	2	2
HDMI-out (1.4a)	1	1
Audio Jack	1	1
Ethernet	RJ45 connector for Ethernet x 1	RJ45 connector for Ethernet x 1
DC-in	1	1
DC-out	12V x 1, 19V x 1, 24V x 1	12V x 1, 19V x 1, 24V x 1

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	DR202 Li-ion battery; 90Wh, 8250mAh x 3 (optional)	DR202 Li-ion battery; 90Wh, 8250mAh x 3 (optional)
Enclosure	ABS + PC plastics, anti-microbial enclosure	
Dimensions (H x W x D)	13.6 x 20.4 x 1.6 in/ 345.9 x 516.9 x 40.4mm	14.6 x 22.2 x 1.62 in/ 370.9 x 564.3 x 41.2 mm
Weight	Without battery: 12.6lbs/ 5.7kg With 3 batteries: 15.9lbs/ 7.2kg	Without battery: 14.1lbs/ 6.4kg With 3 batteries: 17.4lbs/ 7.9kg
VESA-compliant Mounting	100mm × 100mm VESA standard	100mm × 100mm VESA standard
Water Resistance	Front panel: IP65; Enclosure: IPX2	Front panel: IP65; Enclosure: IPX2
Regulatory	FCC/IC, CE/CB, RCM, CCC, ANSI/AAMI ES60601-1	
Temperature	Operation: 0°C – 40°C; Storage: -20°C – 60°C	
Humidity	0% – 90% non-condensing	

Major Option

Camera	Full-HD front camera	Full-HD front camera
NFC/RFID reader	Dual frequency, reads both 125KHz and 13.56MHz credentials	Dual frequency, reads both 125KHz and 13.56MHz credentials
Smart Card/CAC Reader	Full-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card	Full-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card

* Specifications subject to change without notice.

Accessories

· DR202 Battery

· DR202 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).