



581T/582T/584T Medical-Cart Computer

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

Powered by a powerful Intel® Pentium® Gold or Core™ i processor, the 581T/582T/584T All-in-One Medical-Cart Computer features a 19.5"/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 581T/582T/584T is ideal for hospitals and clinics in any point-of-care scenarios.



Features

- Integrated hot-swappable batteries (optional, up to 3 batteries)
- 19.5", 22" or 24" high-resolution touchscreen
- Intel® Pentium® Gold or Core™ i 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-rated front panel, IPX2-rated enclosure
- Energy Star 8.0 certified (582T)

Major Options

- Power supply outputs
- 5M front camera
- NFC/RFID reader (582T & 584T only)
- Smart card/CAC reader

Specifications



Model	581T	582T	584T
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System

CPU	Intel® Pentium® Gold-G6400T, 2-Core, 3.4 GHz Intel® Core™ i5-10500T, 6-Core, 2.3 GHz (up to 3.30 GHz) Intel® Core™ i7-10700T, 8-Core, 2 GHz (up to 3.40 GHz)	Intel® Pentium® Gold-G6400T, 2-core, 3.4 GHz Intel® Core™ i5-10500T, 2.3 GHz (up to 3.8 GHz) Intel® Core™ i7-10700T, 2.0 GHz (up to 4.5 GHz) Intel® Core™ i9-10900T, 1.9 GHz (up to 4.6 GHz)	Intel® Pentium® Gold-G6400T, 2-core, 3.4 GHz Intel® Core™ i5-10500T, 2.3 GHz (up to 3.8 GHz) Intel® Core™ i7-10700T, 2.0 GHz (up to 4.5 GHz) Intel® Core™ i9-10900T, 1.9 GHz (up to 4.6 GHz)
RAM	8GB to 32GB	8GB to 64GB	8GB to 64GB
Storage	64GB to 2TB Flash	256GB to 4TB Flash	256GB to 4TB Flash
Operating System	Microsoft® Windows® 10/11 IoT Enterprise or Ubuntu		
Display	19.5" Touchscreen	21.5" Touchscreen	23.8" Touchscreen
Display Resolution	1920 x 1080	1920 x 1080	1920 x 1080
Trusted Platform Module	TPM 2.0	TPM 2.0	TPM 2.0
Microphone	Built-In Microphones	Built-In Microphone	Built-In Microphones
Speaker	Built-In Speaker	Built-In Speaker	Built-In Speaker
Reading Light	1 x LED Reading Light	1 x LED Reading Light	1 x LED Reading Light

Network Interface

WLAN	Ethernet 10/100/1000 MB Base-T LAN; Wi-Fi 802.11ax, 2.4/5 GHz Dual Band		
BT	BT 5.2	BT 5.2	BT 5.2

I/O Interface

USB Ports	4 x USB 3.0, 2 x USB 2.0	4 x USB 3.0, 2 x USB 2.0	4 x USB 3.0, 2 x USB 2.0
COM Port	2	2	2
HDMI Port	1	1 (1.4a)	1 (1.4a)
Headphone Jack	1 (3.5 mm)	1 (3.5 mm)	1 (3.5 mm)
Ethernet Port	1 (RJ45)	1 (RJ45)	1 (RJ45)
DC-In Jack	1	1	1
DC-Out (Optional)	N/A	1 x 12V, 1 x 15V, 1 x 19V	1 x 12V, 1 x 15V, 1 x 19V
Switches & Buttons	1 x Power Button, 4 x Functional Buttons, 1 x Reading Light On/Off Button		

Mechanical and Environmental

Fan/Fanless	Fanless	Fanless	Fanless
AC/DC Adapter	Input: 100 – 240V AC; Output: 19V DC, 6.31A	Input: 100 – 240V AC; Output: 19V DC, 6.31A	Input: 100 – 240V AC; Output: 19V DC, 6.31A
Battery Pack	(Optional) 2 x Li-Ion Battery (8250mAh, 90Wh)	(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)	11.6 x 18.9 x 1.6 in/295 x 480 x 40.6 mm	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	10.41 lbs/4.72 kg (Without Batteries) 12.61 lbs/5.72 kg (With 2 Batteries)	12.6 lbs/5.7 kg (Without Batteries) 15.9 lbs/7.2 kg (With 3 Batteries)	14.1 lbs/6.4 kg (Without Batteries) 17.4 lbs/7.9 kg (With 3 Batteries)
VESA Mount	100 x 100 mm	100 x 100 mm	100 x 100 mm
Water Resistance	Front Panel: IP65	Front Panel: IP65; Enclosure: IPX2	Front Panel: IP65; Enclosure: IPX2
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, Energy Star 8.0, 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		
NFC/RFID reader	N/A	Dual Frequency (Reads 125 KHz & 13.56 MHz Credentials)	
Smart Card/CAC Reader	Full-Slot (Reads ISO 7816 T=0, T=1 & 1.8/3/5V Smart Card)		

*Specifications subject to change without notice.

Accessories

- Desktop Stand
 - Medical Grade Adapter
 - Battery Gang Charger
 - 3-Slot Battery Holder
 - Battery
- Supplies powers to the system and peripherals (e.g., Zebra mobile printer and Welch Allyn vital sign monitor).

