

Medical Cart Computer

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



The DT590/ DT592/ DT594 series Medical Cart Computer, featuring the slim and elegant design of the DT Research all-in-one series, is the latest innovation in medical computing systems, integrating swappable batteries to facilitate mobility for healthcare applications. The Medical Cart Computer integrates a vivid 19", 22" or 24" display, a high performance Intel® Celeron® or 5th Generation Core™ i7 processor, and an internal power supply in a compact, mountable package with anti-microbial coating. With WLAN connectivity and an optional touch screen panel, this Medical Cart Computer is ideal for health professionals to manage patient information, and also eliminates the need to purchase costly medical cart batteries. The DT590/ DT592/ DT594 series is the new generation of medical cart computers, making data access efficient, optimizing staff workflow, and minimizing the total cost of ownership.

Features

- Integrated hot-swappable batteries, no power cord or external batteries required
- Intel® Celeron® or 5th Generation Core™ i7 CPU; high performance operation with low power consumption
- 19", 22" or 24" TFT-LCD, capacitive touch option
- Slim, all-in-one design with anti-microbial enclosure
- Dual HDMI video outputs. Support up to 4K UHD resolution
- Built-in Bluetooth and 802.11ac WLAN
- Optional front camera and smart card reader
- VESA-mountable for flexibility in mounting and placement



Applications

- Clinic or Hospital
- Healthcare Center
- Retirement Community
- Laboratory

Specifications

						
Model	DT590BC	DT590BU	DT592BC	DT592BU	DT594BC	DT594BU
System						
CPU	Intel® Celeron®, 1.5GHz	Intel® Core™ i7, 2.4GHz (4M Cache, up to 3.0GHz)	Intel® Celeron®, 1.5GHz	Intel® Core™ i7, 2.4GHz (4M Cache, up to 3.0GHz)	Intel® Celeron®, 1.5GHz	Intel® Core™ i7, 2.4GHz (4M Cache, up to 3.0GHz)
RAM	4GB to 16GB		4GB to 16GB		4GB to 16GB	
Storage	64GB to 512GB Flash	128GB to 512GB Flash	64GB to 512GB Flash	128GB to 512GB Flash	64GB to 512GB Flash	128GB to 512GB Flash
Operating System	Microsoft® Windows® 7 Professional or Windows® 8.1 Pro Industry					
Display	19" TFT-LCD	19" TFT-LCD	21.5" TFT-LCD	21.5" TFT-LCD	23.6" TFT-LCD	23.6" TFT-LCD
Display Resolution	1280 x 1024	1280 x 1024	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Touch Screen	Optional capacitive touch		Optional capacitive touch		Optional capacitive touch	
Network Interface	Ethernet 10/ 100/ 1000 MB Base-T LAN; Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band					
Bluetooth	Bluetooth 4.0 LE	Bluetooth 4.0 LE	Bluetooth 4.0 LE	Bluetooth 4.0 LE	Bluetooth 4.0 LE	Bluetooth 4.0 LE
Trusted Platform Module	TPM 1.2 support	TPM 1.2 support	TPM 1.2 support	TPM 1.2 support	TPM 1.2 support	TPM 1.2 support
Control Button	5 side buttons: 1 power and 4 functional buttons		5 side buttons: 1 power and 4 functional buttons		5 side buttons: 1 power and 4 functional buttons	
Speaker	Built-in speaker	Built-in speaker	Built-in speaker	Built-in speaker	Built-in speaker	Built-in speaker
I/O Ports						
USB Port	USB 2.0 x 6	USB 2.0 x 6	USB 2.0 x 6	USB 2.0 x 6	USB 2.0 x 6	USB 2.0 x 6
COM Port	1	1	4	4	4	4
HDMI-out (1.4a)	2	2	2	2	2	2
Audio-out	1	1	1	1	1	1
Microphone-in	1	1	1	1	1	1
Ethernet	RJ45 connector for Ethernet x 2		RJ45 connector for Ethernet x 2		RJ45 connector for Ethernet x 2	
DC-in	1	1	1	1	1	1
Mechanical and Environmental						
Battery Pack	DR202 Li-ion battery; 11.1V, 7800mAh x 3 (optional)		DR202 Li-ion battery; 11.1V, 7800mAh x 3 (optional)		DR202 Li-ion battery; 11.1V, 7800mAh x 3 (optional)	
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	
Enclosure	ABS + PC plastics, anti-microbial enclosure		ABS + PC plastics, anti-microbial enclosure		ABS + PC plastics, anti-microbial enclosure	
Dimensions (H x W x D)	14.9 x 17.7 x 2.2 in/ 380 x 450 x 65 mm		12.5 x 20.8 x 2.3 in/ 318 x 529 x 58 mm		14.2 x 22.9 x 2.3 in/ 361 x 582 x 57 mm	
Weight	Without battery: 11.5lbs/ 5.2kg With 3 batteries: 14.8lbs/ 6.7kg		Without battery: 11lbs/ 5kg With 3 batteries: 14.3lbs/ 6.5kg		Without battery: 15.4lbs/ 7kg With 3 batteries: 18.7lbs/ 8.5kg	
VESA-compliant Mounting	100mm x 100mm VESA standard		100mm x 100mm VESA standard		100mm x 100mm VESA standard	
Regulatory and Safety Certifications	EMC/EMI: FCC CFR Title 47 Part 18, EN 55011, EN 60601-1-2, EN 61000-3-2, EN 61000-3-3, AS/NZS CISPR 11 RF: FCC Part 15C, FCC Part 15E, EN 300328, EN 301893, EN 301489-1, EN 301489-7, EN 62311, AS/NZS 4268 Safety: UL (ANSI/AAMI ES60601-1), IEC 60601-1					
Temperature	Operation: 0°C – 40°C; Storage: -20°C – 60°C		Operation: 0°C – 40°C; Storage: -20°C – 60°C		Operation: 0°C – 40°C; Storage: -20°C – 60°C	
Humidity	0% – 90% non-condensing		0% – 90% non-condensing		0% – 90% non-condensing	
Data Capture Option						
Front Camera	2 megapixel camera with auto focus		N/A	N/A	N/A	N/A
Smart Card Reader	Reads ISO 7816 T=0, T=1 smart card, 1.8/ 3/ 5V smart card					

* Specifications subject to change without notice.

