DT Research

 Anti-microbial | Full HD | TPM | Battery built-in | VESA Mount | Touch Screen | Wi-Fi | Bluetooth | Smart Card
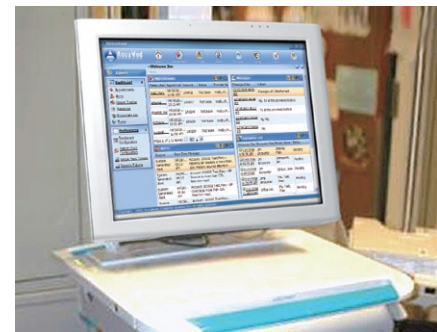
Medical Cart Computer

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

The DT590/ DT592 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" or 22" display, a high performance Intel® Celeron® or Core™ i-series processor, and an internal power supply in a compact, mountable package with anti-microbial coating. With WLAN connectivity, an optional touch screen panel and smart card reader, 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 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 Core™ i-series CPU; high performance operation with low power consumption
- 19" or 22" TFT-LCD, IR or capacitive touch option
- Slim, all-in-one design with anti-microbial enclosure
- Built-in Bluetooth and 802.11 a/b/g/n WLAN
- VESA-mountable for flexibility in mounting and placement
- Optional smart card reader
- Comprehensive software for remote monitoring, control, and upgrades

Applications

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

DT590IC/ DT590IB/ DT592IC/ DT592IB

Specifications

Model	DT590IC	DT590IB	DT592IC	DT592IB
System				
CPU	Intel® Celeron®, 1.1GHz dual core	Intel® Core™ i7 Series	Intel® Celeron®, 1.1GHz dual core	Intel® Core™ i7, 1.9GHz
RAM	4GB to 16GB		4GB to 16GB	
Storage	32GB to 256GB Flash or 320GB HDD		32GB to 256GB Flash or 500GB HDD	
Operating System	Microsoft® Windows® Embedded Standard 7 32-bit or Windows® 7 Professional 64-bit		Microsoft® Windows® Embedded Standard 7 64-bit or Windows® 7 Professional 64-bit	
Display	19" TFT-LCD		21.5" TFT-LCD	
Display Resolution	1280 x 1024		1920 x 1080	
Touch Screen	Optional IR touch		Optional capacitive touch	
Network Interface	Ethernet 10/ 100/ 1000 MB Base-T LAN; 802.11 a/b/g/n WLAN, Bluetooth 3.0+HS			
Trusted Platform Module	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			
Speaker	Built-in speaker			
I/O Ports				
USB Port	5	6	5	6
COM Port	1	1	4	4
Audio-out	1	1	1	1
Microphone-in	1	1	1	1
Ethernet	RJ45 connector for Ethernet x 1	RJ45 connector for Ethernet x 1	RJ45 connector for Ethernet x 1	RJ45 connector for Ethernet x 1
DisplayPort	1	1	N/A	N/A
DC-in	1	1	1	1
Mechanical and Environmental				
Battery Pack	DR202 Li-ion battery; 11.1V, 7800mAh x 3			
AC/DC Adapter	Input: 100 – 240V AC; Output: 19V DC, 6.31A			
Enclosure	ABS + PC plastics, anti-microbial plastics			
Dimensions (H x W x D)	14.9 x 17.7 x 2.6 in/ 380 x 450 x 65 mm		12.5 x 20.8 x 2.3 in/ 318 x 529 x 58 mm	
Weight	15.4 lbs/ 7 kg		14.3 lbs/ 6.5 kg	
VESA-compliant Mounting	100mm × 100mm VESA standard			
Water & Dust Resistance	IP65 sealed front IR touch panel (not applicable for non-IR SKU)		N/A	N/A
Safety & EMI Certifications	CB (IEC60601-1), CAN/CSA-C22.2 No.601.1, EN 55011, UL60601-1, EN60601-1, FCC CFR47 Part.18, RoHS Compliant			
Temperature	Operation: 0°C – 40°C; Storage: -20°C – 60°C			
Humidity	0% – 90% non-condensing			
Data Capture Options				
Smart Card Reader	Reads ISO 7816 T=0, T=1 smart card, 1.8/ 3/ 5V smart card			

* Specifications subject to change without notice.

DT Research
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Product Configurator

www.dtresearch.com/productconfig