



# DT Research

## Medical Cart Computer

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

The DT590 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 DT590 integrates a vivid 19" 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, optional IR touch screen, smart card reader and camera, 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 is the new generation of medical cart computers, making data access efficient, optimizing staff workflow, and minimizing the total cost of ownership.

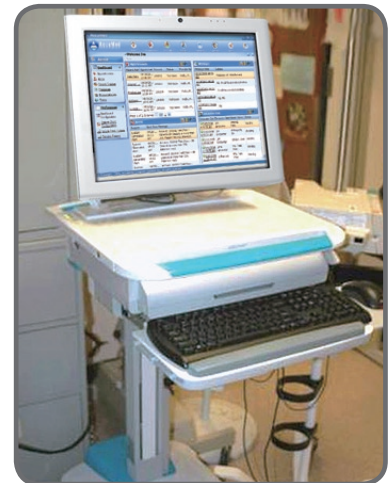
### • Features

- 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" TFT-LCD with IR 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 front camera and smart card reader
- Comprehensive software for remote monitoring, control, and upgrades

### • Applications

The DT590 Medical Cart Computer is ideal for the following environments:

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



## • Specifications

Model	DT590IC	DT590IB
System		
CPU	Intel® Celeron®, 1.1GHz dual core	Intel® Core™ i7 Series
RAM	4GB to 8GB	4GB to 8GB
Storage	32GB to 256GB Flash or 320GB HDD	
Operating System	Microsoft® Windows® Embedded Standard 7 32-bit or Windows® 7 Professional 64-bit	
Display	19" TFT-LCD	
Display Resolution	1280 x 1024	
Touch Screen	Optional IR touch	
Network Interface	Ethernet 10/ 100/ 1000 MB Base-T LAN; 802.11 a/b/g/n WLAN, Bluetooth 3.0+HS	
Control Button	5 side buttons: 1 power and 4 functional buttons	
Speaker	Built-in speaker	
I/O Ports		
USB Port	5	6
COM Port	1	1
Audio-out	1	1
Microphone-in	1	1
Ethernet	RJ45 connector for Ethernet x 1	RJ45 connector for Ethernet x 1
DisplayPort	1	1
DC-in	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 2.2 in/ 380 x 450 x 65 mm	
Weight	15.4 lbs/ 7 kg	
VESA-compliant Mounting	100mm x 100mm VESA standard	
Water & Dust Resistance	IP65 sealed front IR touch panel (not applicable for non-IR SKU)	
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		
Front Camera	2 mega pixels camera with auto focus	
Smart Card Reader	Reads ISO 7816 T=0, T=1 smart card, 1.8/ 3/ 5V smart card	

\* Specifications subject to change without notice.

## • I/O Ports

