

Medical-Cart Computer MCC22+24

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



The MCC22+MCC24 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 22" or 24" display, a high performance Intel® processor, and an internal power supply in a fanless, 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 MCC22+MCC24 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® 6th Generation Celeron® or Core™ i5/i7 processor; high performance operation with low power consumption
- 22" or 24" TFT-LCD, capacitive touch option
- Slim, all-in-one design with anti-microbial enclosure
- Fanless design; IP65 rated front panel with IPX2 rated enclosure
- UL60601-1 certified
- Dual HDMI video outputs; up to 4K UHD resolution
- Built-in Bluetooth and 802.11ac WLAN
- VESA-mountable for flexibility in mounting and placement
- Optional RFID reader and smart card reader



Applications

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

Specifications

				
Model	MCC22C	MCC22U	MCC24C	MCC24U
System				
CPU	Intel® Celeron® 3955U, 2.0GHz	Intel® Core™ i5-6200U, 2.3GHz (up to 2.8GHz) Intel® Core™ i7-6500U, 2.5GHz (up to 3.1GHz)	Intel® Celeron® 3955U, 2.0GHz	Intel® Core™ i5-6200U, 2.3GHz (up to 2.8GHz) Intel® Core™ i7-6500U, 2.5GHz (up to 3.1GHz)
RAM	4GB to 8GB	8GB to 16GB	4GB to 8GB	8GB to 16GB
Storage	128GB to 512GB Flash	128GB to 1TB Flash	128GB to 512GB Flash	128GB to 1TB Flash
Operating System	Microsoft® Windows® 7 Professional or Windows® 10 IoT Enterprise			
Display	21.5" TFT-LCD	21.5" TFT-LCD	23.6" TFT-LCD	23.6" TFT-LCD
Display Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Touch Screen	Optional capacitive touch	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
Trusted Platform Module	TPM 2.0	TPM 2.0	TPM 2.0	TPM 2.0
Control Button	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
I/O Ports				
USB Port	USB 2.0 x 2, USB 3.0 x 4	USB 2.0 x 2, USB 3.0 x 4	USB 2.0 x 2, USB 3.0 x 4	USB 2.0 x 2, USB 3.0 x 4
COM Port	4	4	4	4
HDMI-out (1.4a)	2	2	2	2
Audio Jack	1	1	1	1
Ethernet	RJ45 connector for Ethernet x 1, RJ45 connector for Ethernet x 2 (optional)		RJ45 connector for Ethernet x 1, RJ45 connector for Ethernet x 2 (optional)	
DC-in	1	1	1	1
Mechanical and Environmental				
Fan/Fanless	Fanless	Fanless	Fanless	Fanless
Battery Pack	DR202 Li-ion battery; 11.1V, 7800mAh x 3 (optional)			
AC/DC Adapter	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	ABS + PC plastics, anti-microbial enclosure
Dimensions (H x W x D)	12.5 x 20.8 x 2.3 in/ 318 x 529 x 58 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	14.2 x 22.9 x 2.3 in/ 361 x 582 x 57 mm
Weight	Without battery: 11lbs/ 5kg With 3 batteries: 14.3lbs/ 6.5kg	Without battery: 11lbs/ 5kg With 3 batteries: 14.3lbs/ 6.5kg	Without battery: 15.4lbs/ 7kg With 3 batteries: 18.7lbs/ 8.5kg	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	100mm x 100mm VESA standard
Water Resistance	Front panel: IP65 Enclosure: IPX2	Front panel: IP65 Enclosure: IPX2	Front panel: IP65 Enclosure: IPX2	Front panel: IP65 Enclosure: IPX2
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 301489-17, 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			
Humidity	0% – 90% non-condensing			
Major Options				
NFC/ RFID reader	Integrated dual-band RFID reader, single-sign-on authentication support			
Smart Card Reader	Reads ISO 7816 T=0, T=1 smart card, 1.8/ 3/ 5V smart card* *It will decrease one USB 3.0 port once installing a smart card reader.			

* Specifications subject to change without notice.

Optional Accessories

- DR202 Battery



- DR202 Battery Gang Charger



- Battery Holster

Supplies powers to peripherals (e.g., Zebra mobile printer and Welch Allyn vital sign monitor)



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