



590BC/ 592SK/ 594SK Medical-Cart Computer

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

The 590BC/ 592SK/ 594SK Medical-Cart Computer, an All-in-one Medical Computer (Medical PC), integrates a 19", 22" or 24" screen, powerful yet energy-efficient Intel® Celeron® or Core™ i computing platform, smart card reader and hot-swappable batteries (optional) in a compact, mountable package with antimicrobial coating to facilitate mobility for healthcare applications. With WLAN and Bluetooth connectivity, this Medical-Cart Computer (Computer on Wheels/COWs and Workstation on Wheels/WOWs) is ideal for health professionals to manage information and eliminates the need to purchase costly medical cart batteries.



Features

- Built-in hot-swappable batteries (optional, up to 3 batteries)
- Intel® Celeron®, 8th Generation Core™ i5 processor; high performance operation with low power consumption
- High contrast 19", 22" or 24" TFT-LCD, capacitive touch optionn
- Elegant all-in-one, slim and space saving design
- Fanless design; IP65 rated front panel with IPX2 rated enclosure
- UL60601-1 certified
- Antimicrobial enclosure
- Dual HDMI video-out, up to 4K UHD resolution
- Built-in Bluetooth and 802.11ac dual band WLAN
- VESA-mountable for flexibility in mounting and deployment

Major Option

- Smart card reader

Specifications



Model	590BC	592SK	594SK
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System

CPU	Intel® Celeron® Dual Core, 2.0GHz	Intel® Core™ i5-8250U, 1.6GHz (up to 3.4GHz)	Intel® Core™ i5-8250U, 1.6GHz (up to 3.4GHz)
RAM	8GB	8GB to 16GB	8GB to 16GB
Storage	128GB Flash	256GB to 512GB Flash	256GB to 512GB Flash
Operating System	Microsoft® Windows® 7 Pro, 10 IoT Enterprise, or Ubuntu	Microsoft® Windows® 10 IoT Enterprise or Ubuntu	
Display	19" TFT-LCD	21.5" TFT-LCD	23.6" TFT-LCD
Display Resolution	1280 x 1024	1920 x 1080	1920 x 1080
Trusted Platform Module	TPM 2.0 support	dTPM 1.2 and fTPM 2.0	dTPM 1.2 and fTPM 2.0
Control Buttons	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

Network Interface

WLAN	Ethernet 10/ 100/ 1000 MB Base-T LAN; Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band		
Bluetooth	Bluetooth 4.0 LE	Bluetooth 4.2 LE	Bluetooth 4.2 LE

I/O Ports

USB Ports	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	1	4	4
HDMI-out (1.4a)	2	2	2
Audio Jack	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 1
DC-in	1	1	1

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	DR202 Li-ion battery; 90Wh, 8250mAh x 3 (optional)	DR202 Li-ion battery; 90Wh, 8250mAh x 3 (optional)	DR202 Li-ion battery; 90Wh, 8250mAh x 3 (optional)
Enclosure	ABS + PC plastics, antimicrobial enclosure		
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	14.2 x 22.9 x 2.3 in/ 361 x 582 x 58 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
Water Resistance	IPX2	Front panel: IP65; Enclosure: IPX2	Front panel: IP65; Enclosure: IPX2
Regulatory	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 15E, 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 Option

Smart Card Reader	Full slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card
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* Specifications subject to change without notice.

Accessories

- DR202 Battery



- DR202 Battery Gang Charger



- 3-Slot Battery Holster

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

