

Mobile Medical Cart Computer



The ST590 Medical Cart Computer, featuring the slim and elegant design of the SUMO Technologies 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" display, a high performance Intel® Celeron® or 5th Generation 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, 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 ST590 is the new generation of medical cart computers, making data access efficient, optimizing staff workflow, and minimizing the total cost of ownership.

Features

- ▶ Industry standard DR202 batteries leading to lower cost of ownership
- ▶ Integrated hot-swappable batteries, no power cord or external batteries required
- ▶ Intel® Celeron® or 5th Generation Core™ i-series CPU; high performance operation with low power consumption
- ▶ 19" TFT-LCD with capacitive touch option
- ▶ Dual HDMI video outputs. Support up to 4K UHD resolution
- ▶ Slim, all-in-one design with anti-microbial enclosure
- ▶ Built-in Bluetooth and 802.11ac 2.4GHz / 5GHz WLAN
- ▶ TPM 1.2 support
- ▶ VESA-mountable for flexibility in mounting and placement
- ▶ Comprehensive software for remote monitoring, control, and upgrades

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Accessories

- ▶ **Battery Pack (DR202)**
Snap-on, hot swappable battery pack.
Doubles duration of mobile operation.
Li-ion, 28Wh.



- ▶ **4-Bay Battery Charger**
Charges up to four battery packs simultaneously.
Power cord included.



- ▶ **Desktop Stand**
The LCD display can tilt up 30 degrees and down 3 degrees.
Detachable aluminium construction.
VESA-compliant mounting.



Front View





Rear View



Side Views



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Specification		
System	ST590BC	ST590BU
CPU	Intel® Celeron®, 1.5GHz	Intel® Core™ i3, i5 or i7 Series, 2.4GHz (4M Cache, up to 3.0GHz)
RAM	4GB to 16GB	
Storage	64GB to 512GB Flash	
Operating System	Microsoft® Windows® Embedded Standard 7, 7 Professional or Windows® 10 IoT Enterprise	
Display	19" TFT-LCD with optional Capacitive Touch	
Display Resolution	1280 x 1024	
Network Interface	Ethernet 10/ 100/ 1000 MB Base-T LAN; Wi-Fi 802.11 ac, 2.4GHz / 5GHz Dual Band, Bluetooth 4.0 LE	
Trusted Platform Module	TPM 2.0 Support	
Control Switch and Buttons	5 side buttons: 1 power and 4 functional buttons	
Speaker	Built-in speaker	
I/O Ports		
USB Port	USB 2.0 x 2, USB 3.0 x 4	
COM Port	4	
HDMI-out (1.4a)	2, up to 4K UHD resolution	
Audio Out	1	
Microphone-in	1	
Ethernet	RJ45 connector for Ethernet x 1	
DC-in	1	
Environmental		
Safety & EMI 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	
Humidity	0% – 90% non-condensing	
Mechanical		
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)	380 x 450 x 56 mm / 14.9 x 17.7 x 2.2 in	
Weight	7 kg / 15.4 lbs	
VESA-compliant Mounting	100mm x 100mm VESA standard	
Major Options		
Smart Card Reader	Reads ISO 7816 T=0, T=1 smart card, 1.8/ 3/ 5V smart card	
RFID Reader	RFID reader; complies with HF 13.56MHz, ISO standard 15693, 14443A(B) & 18000-3 mode-1 [Ⓜ]	
Cooling System	Fanless cooling solution	
Intel VPro Support	N/A	Yes
Second LAN Port	Yes	

For more information, including pricing, availability and detailed features look at our web site at www.dakotais.co.uk or email nhs@dakotais.co.uk



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All specifications are subject to change without notice.

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