

# CliniScape

## 10-inch ruggedized mobile clinical assistant



The CliniScape (MCA104) mobile clinical assistant enables nurses and physicians to take more informed clinical decisions at the point of care by using an ultra-ergonomic and medical-grade touch-screen device that integrates all the features needed to increase patient safety and reduce administrative workload.

### Ultra-ergonomic

- Lightweight design (approx. 1.8 kg) and back handgrip to minimize fatigue
- Grab & go docking station
- 10-inch XGA pen touch-screen combined with intuitive controls and LED indicators
- Smart swappable battery for seamless continuous operation

### All-in-one functionality

- Microsoft® Genuine Windows® operating system
- Intel® Core™ Solo processor (1.2 GHz), 60 GB HDD, 1 GB DDR2 RAM
- Digital camera (2 MegaPixel) to capture pictures of patients' wounds
- Bluetooth® for cordless connection of external devices and vital sign sensors
- USB port behind rubber cover to interface with USB devices when not docked
- Built-in barcode scanner and RFID reader to support the five rights of patient safety
- Optional docking station with built-in battery charger, 3 USB ports and Ethernet connectivity

### Medical appliance

- Easy to wipe clean to reduce spread of infection
- Durable design for maximum uptime (1m drop proof)
- Medical-grade certification for maximum patient protection

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## Ultra-portable design

- Sleek, lightweight design with unique handgrip makes the unit easy to hold, carry, put away and grab again.
- Good viewing angle and optimal ventilation when the unit is laid down

## Pen-based user input

Easy to hold stylus pen to select menu options, right-click, handwrite and enter text directly on the 10.4-inch XGA screen with electromagnetic digitizer

## Touch buttons with LED controls

Nine soft touch buttons with LED indicator for convenient operation of user-programmable hot keys and embedded control buttons, including Bluetooth, WiFi, RFID, electronic keyboard, CTRL-ALT-DEL, rotate screen, system lock and cursor navigation

## Medical-grade compliance

Optimized for minimal power leakage and low EMI to eliminate risk of interference with medical equipment around patients

## Robust and sealed design

- Magnesium-alloy casing for extra durability and protection. Withstands 1m drop onto concrete
- Superior water and dust resistance
- Rubber protection cover for USB port and sealed docking connector
- Removable fan and sealed design to enable disinfection

## Integrated functionality

Wireless mobile clinical assistant with integrated Bluetooth, RFID reader, digital camera and optional barcode scanner to ensure that the right patient receives the right care

## Mobile performance

Intel® Core™ Solo 1.2 GHz processor technology combined with genuine Windows® operating system for maximum power, performance, flexibility and battery life

## Smart battery swap

Easy battery exchange without disrupting applications currently in use thanks to unique smart swap functionality

## Grab & go docking station

- The optional docking station allows you to store the unit while charging the battery and provides convenient desk-top access by placing the display at a comfortable height
- Three built-in USB ports and one RJ45 Ethernet jack enable easy connectivity
- Integrated battery slot to recharge a spare battery

# Technical specifications CliniScape

## System specifications

CPU	Intel® Core™ Solo
CPU speed	1.2 GHz
RAM size	1 GB DDR2 SDRAM
Hard disk	60 GB
Operating system	Microsoft® Genuine Windows® operating system

## Display

Touch panel	Pen-sensitive digitizer type
Screen type	Transmissive TFT LCD
Screen size	10.4 inch/264 mm diagonal
Screen resolution	XGA (1024 x 768)
Active screen area	210.4 mm x 157.8 mm
Brightness	160 cd/m <sup>2</sup> (typical)
Contrast ratio	250:1 (typical)
Display color	256k colors (18 bits)

## Connectivity and controls

I/O Interfaces	USB port 18 - 26.5VDC power input jack Docking connector
Embedded devices	
- I/Os	IEEE 802.11 a/g/n WLAN Bluetooth 2.0+ EDR Built-in piezoelectric speakers
- Peripherals	RFID reader 2 MegaPixel picture camera 2D barcode imager (optional)
Controls	Digitizer with inductive pen Camera activation button Barcode activation button Battery release button Power ON/OFF button Programmable hotkeys (x 3) <sup>(1)</sup> WiFi enable hotkey <sup>(1)</sup> Bluetooth enable hotkey <sup>(1)</sup> RFID enable hotkey <sup>(1)</sup> On-screen Keyboard hotkey <sup>(1)</sup> System Lock hotkey <sup>(1)</sup> Ctrl-Alt-Del hotkey <sup>(1)</sup> Navigator functionality with hotkeys <sup>(2)</sup>
Indicators	Battery status LEDs (x 2) Power status LED Hotkey LEDs (x 9) <sup>(1)</sup>

Notes: <sup>(1)</sup> Hotkeys have LED indicators

<sup>(2)</sup> Alternate function

## Docking station connectivity

I/O interfaces	USB ports (x 3) 100 Mbps wired LAN on RJ-45 18 - 26.5VDC power input jack
Embedded devices	Spare battery charger Spare battery (optional)



## Power

AC/DC adapter In	100-240 VAC 1.5 A
AC/DC adapter Out	19 VDC 5.3 A
Battery type	Li-ion, rechargeable
Battery capacity	3800 mAh
Charge duration	Stand-by 6 days Operating 3,5 hrs (typical)

## Physical characteristics

Dimensions	Width: 265.0 mm Height: 250.0 mm Depth: 29.5 mm Depth including handle: 78.0 mm
Weight	approx. 1.8 Kg (4 pounds)
Shock resistance	(ex LCD panel) 1 m (3 ft.) drop
Specials	Removable fan cartridge

## Accessories

Included:

- AC/DC power adapter
- Stylus pen
- Power cord

Optional:

- Docking station
- VESA mounting adapter
- Stylus pen kit
- Spare battery
- Spare fan cartridge

## Optional configurations

- Extended HDD Size up to 120 GB
- Extended SDRAM Size up to 2 GB

## Environmental specifications

- Temperature (operating) 0°C to 35°C
- Temperature (storage) -20 °C to 60°C

## Applicable international standards

- Safety EN / IEC 60950-1, UL 60950-1  
EN / IEC 60601-1  
CAN/CSA-C22.2 No.691.1-M90
- EMC FCC CFR 47 P.15 Sub B - Class B  
EN 55022 / CISPR 22 - Class B  
EN 55024  
EN / IEC 60601-1-2  
EN 55011/ CISPR11 - Class B  
FCC CFR 47 P.15 Sub C  
RSS-210, SAR, IC ID
- Radio C-UL-US, CE, DEMKO, FCC
- Marks

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Technical specifications are subject to change without prior notice

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