

CyberMed NB22 & NB24

Fanless All in One Medical Computer



All in One fanless medical computer with three hot-swappable batteries

Ideal for non-energy powered medical carts

These fanless All in One medical computers with hot-swappable batteries are designed for use with unpowered medical carts. Hot-swappable batteries provide up to 21 hours of operation time on a single charge.

* Antimicrobial Housing stands up to Chemical Disinfection

These medical cart computers have an antimicrobial housing, an IP65 rated sealed front bezel and an IPX1 back cover making it easy to clean and disinfect.

* Global UL/cUL 60601-1 and IEC60601-1 Medical Certifications

Medical grade, and certified to be safe for near patient use. These computers were designed from the ground up to meet global medical safety standards.

* 6th Gen Intel Core CPU

Our medical cart computers offer the Skylake 6th generation Intel Core 3955U/i5/i7 processor series. This CPU has up to 2.5x greater performance and 3x the battery life of most computers.



3 Hot Swap Batteries for Maximum Efficiency

Computers on wheels have been a staple in healthcare for years. Hot swap battery technology allows you to pair these devices with a non-powered cart without losing any functionality. The three hot swap batteries can provide up to 21 hours of continuous uptime. That's almost more than two full 12 hour shifts! When the batteries start to deplete, simply replace them on the fly with a fully charged battery for near 24/7 operability.

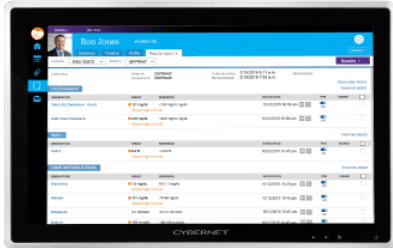
Wheel the cart from room to room to do patient charting or share test results without even needing to plug the unit or the cart into a wall outlet to charge. These features increase productivity and lighter carts are much easier for nurses to maneuver reducing strain.



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Power your Peripherals Directly from the Medical Computer

Our medical cart computers are each designed to be a standalone, mobile all-in-one computer that can power itself AND directly power peripherals such as barcode printers, scanners, card readers and more. Both models offer up to 40 watts of total power through a convenient DC power output jack on the I/O coastline.

The CyberMed NB22 or CyberMed NB24 can provide a single 5V/9V/12V/20V/24V DC power output with a maximum of 40 watts peak, 26 watts sustained.

Enjoy the freedom of using the cart, computer, and peripherals without ever having to plug in.

Expand Functionality with Additional Batteries

While the batteries for the CyberMed NB24 and CyberMed NB22 can be recharged by plugging the unit into a wall outlet, in order to enjoy the full capabilities of this hot swap computer you should invest in our multi-battery charging station.

Charge up to three batteries simultaneously in the charging station. It takes approximately four hours to charge all three batteries. Keep batteries charged and ready and you never have to worry about running out of power. Simply replace a depleted battery from the CyberMed NB22 or CyberMed NB24 with a charged one; put the depleted battery in the charger and you are "good to go" in less than a minute.



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Built with Fanless Cooling Technology

Because these medical cart computers are used in such close proximity to patients, preventing the spread of germs and other harmful microbes is vital. In addition to being anti-microbial and being IP65 rated for easy disinfection, both the CyberMed NB24 and NB22 are engineered with fanless cooling technology.

By using lower power consumption components and fewer internal moving parts in our medical computers, Cybernet is able to utilize fanless cooling technology. By eliminating the fan we eliminate a common source of nosocomial infections (infections spread in a hospital). Traditional fans not only suck in air, but also blow it out. This makes the spread of disease much more likely, especially when nurses are taking a computer from room to room while doing their rounds.

No need to purchase expensive powered carts



No annual battery replacement costs.



Less downtime servicing powered carts.



Lower total cost of ownership.



Save Money on Operating Costs

Powered carts are expensive. The initial cost is often 5x that of a non-powered cart. The cost of replacing the cart battery is very expensive, too. Factor in downtime due to servicing them and the TCO is extremely high.

Compared to the TCO of powered carts, the cost of operation and maintenance of our medical cart computers is much less. Just not having to purchase the powered cart alone is a significant savings.

The hot-swap batteries are durable and safe - they last and let your staff get their job done without distractions, while you no longer spend money on expensive powered carts and their replacement batteries.



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Citrix and Intel Certified

Citrix Ready Endpoint Certification is another extra step taken by Cybernet to ensure customers of our commitment to full compatibility and compliance with all major EHR & EMR applications that run through a Citrix Virtual Environment.

In order to receive this certification, this unit has been submitted to Citrix and put through a rigorous testing process in their labs.

In addition, our devices have been certified by Intel labs to the highest and most stringent protocols in design and reliability testing including thermal shock and thermal recycling.

What does all this mean to you? Peace of mind.



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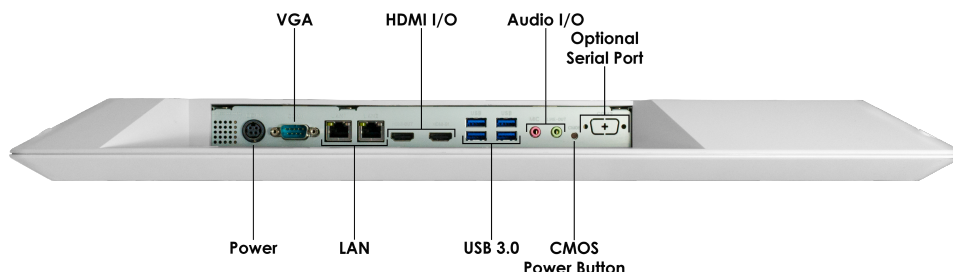
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Main features of the system

- * High Resolution Panel
- * Three Hot Swap Batteries
- * PCAP Multi-Touch Display
- * IP65 Rated
- * UL/cUL/IEC60601-1 Certified
- * Antimicrobial Housing



Technical Specifications

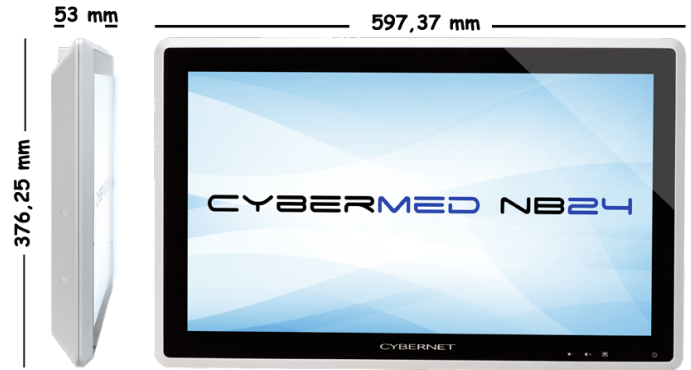
Display	Medical Grade MVA LED Panel 1920x1080
CPU Support	6th Generation Intel Core 3955U/i5/i7 Skylake Processors with vPro Technology
Chipset	Integrated
Memory	2x DDR4 1866/2133MHz 204-pin SO-DIMM sockets, populated up to 32GB
Operating System	Windows 10, Windows IoT, Windows 8.1, Windows 7, Linux
Video & Graphics	Intel HD Graphics 520
Touch Screen	PCAP Multi-Touch with Optional Antiglare Technology
Networking	1x Gigabit (Gbe) LAN Intel i219LM I 1x Gigabit (Gbe) LAN Realtek RTL8111G
DC Power Out	Optional: Power Module with 26 Watts of Power Available for External Devices
Wireless	Intel Dual Band Wireless-AC 802.11 AC + Bluetooth 4.2
Bios	AMI BIOS with Microsoft SCCM Management, ACPI, API, DMI, Plug & Play, & security password.
Expansion Slots	1x mPCIe Half-size slot 1x M.2 M key long slot for SATA or PCIe interface 1x M.2 E key short slot for PCIe or USB interface
HDD Support	2x 6Gbps Serial ATA III ports
TPM	Version 2.0 Standard. Optional: Version 1.2
Battery	3x Hot Swap Batteries with total life of 16 hours
Power Supply	120W Medical Grade Power Supply, Input: universal 100~240V AC, 50-60Hz. Supports Output range: DC18V-19V. 7.5A Adapters for Energy Star 6.0/UL
Relative Humidity	10%~90% (non-condensing)
Waterproof	IP65 Sealed Front Bezel and IPX1 Back Cover



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Mechanical & Environmental

Dimensions

CyberMed NB22: 554 x 371 x 49 mm (L,W,D)

CyberMed NB24: 597,37 x 376,25 x 53 mm (L,W,D)

Weight

CyberMed NB22: 6,96 Kg w/o batteries* | 8,27 Kg w/3 batteries*

CyberMed NB24: 8,51 Kg w/o batteries* | 9,36 Kg w/3 batteries*

VESA

Supports 75mm & 100mm VESA mounting holes

Environment

Ambient Temperature: 0°C~40°C (operating)

Certifications

UL60601-1, cUL60601-1, IEC60601-1, EN60601-1, UL60950 electrical safety, FCC class B, CE,

Energy Star 6.1, RoHS 2, WEEE

*Weight of the base stand not included in totals

Input/Output

I/O Ports

4x USB 3.0 ports, 2x USB 2.0 ports

1x RS232/422/485, option to expand to 4 COM ports

1x HDMI – In (Display Mode with Audio Int. Speaker)

1x HDMI – Out

1x 4Pin DIN power Jack

Audio

Line-out & Microphone Jack

2-channel 2Watt speaker facing back



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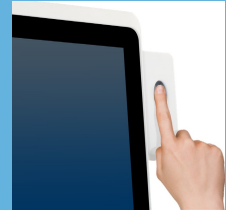
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Optional Features

- * Antiglare Touchglass
- * 2D Barcode Scanner
- * 5 Megapixel Webcam
- * 3 Battery Multi-charge Station
- * Smart Card Reader
- * 5 Megapixel WebcamDC Power Output for Peripherals
- * Fingerprint Reader
- * Integrated Imprivata SSO
- * Certified RFID Reader
- * Extended Warranties



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All in One fanless medical computer with 3 hot-swappable batteries



Conceived with Mobility and Ease of Use in Mind

This line of medical panel PCs have 3 hot swappable batteries so downtime is virtually non-existent for medical staff to take care of patient needs. Charge an extra set of batteries while using the current set for constant uptime.



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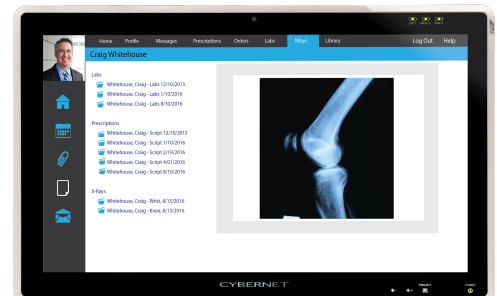
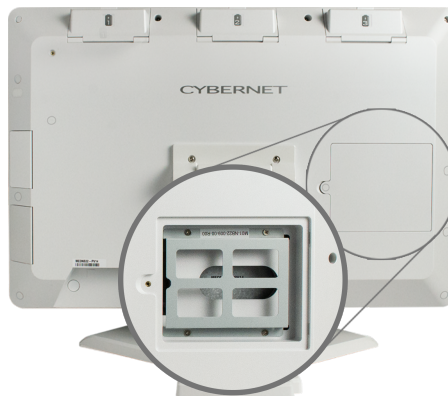
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Built with Customization & Compatibility in Mind



- * Windows 7, 8, 10 or Linux
- * Optional 5.0 Megapixel Webcam
- * 75/100mm VESA Mounting
- * 4 x USB 3.0 ports, 2 x USB 2.0 Ports
- * HDMI In / Out
- * 2 x DDR4 1866 / 2133 MHz SO-DIMM, Max 32GB
- * 6th Generation Intel Skylake i5 / i7
- * Triple Lithium-Ion Hot Swap Batteries
- * RS232 / 422 / 485 Serial Port (Up to 4 COM Ports)
- * Optional CAC Smart Card, RFID, Biometric Reader



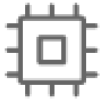
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Medical Grade Certified



Intel Core Processor

The CyberMed NB24 and NB22 come with the powerful Skylake 6th generation Intel Core i7 processor series and customizable DDR4 RAM.



Antimicrobial

The unique design of the CyberMed NB24 and NB22 includes an antimicrobial compound injected into the plastic molding, reducing the spread of harmful microbes.



IEC/UL 60601-1 Certified

These have been engineered to meet the stringent 60601-1 electrical and radiation safety standards required for near patient use.



IP65 Rated

The sealed front bezel is IP65 certified, so they will stand up to chemical disinfectants and makes it easy for medical professionals to clean.



Plug In or Go Mobile

These medical computers operate on either AC power or three hot swap batteries that last for up to 21 hours. Ideal for lighter, non-powered medical carts as a turnkey solution for greater mobility without the need to tether the unit to a power outlet to charge.

Imprivata SSO Certified

The CyberMed NB24 and NB22 can be customized with internal RFID or biometric readers that are natively Imprivata certified. There is no longer a need to attach external dongles to your computer, reducing the clutter and freeing up ports.



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At ErgonoFlex, our goal is to improve the work of clinicians and staff !
This is the new generation of computerized trolleys.



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