CyberMed NB22
22" Medical Computer
with 3 Hot Swap Batteries

Designed for use with
non-powered medical carts!

CyberMed NB22
Three hot swappable batteries

Antimicrobial housing / Fanless / EN60601-1 certified

The antimicrobial housing reduces the spread of pathogens. The unit is also fanless which means it is almost noise-free. Fanless also helps to prevent the spread of germs, dust & debris. Ideal for use in sterile environments. EN60601-1 certified safe for near patient use. The front and back bezels of our medical cart computers are completely sealed making them easy to clean and disinfect.

IP65 sealed front & back bezels for easy disinfection

The front and back bezels of the CyberMed NB22 are completely sealed making it easy to clean and disinfect. This medical cart computer is capable of handling pressurized liquid blasts without any damage to its outside or internal electronics.

Powers Peripherals Directly from the Medical Computer

With our revolutionary power output design, you can power your peripherals directly from the medical computer. No need for an electrical outlet or a battery-powered cart.

No other manufacturer has this technology.

Our medical cart computers are 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.

The CyberMed NB22 offers up to 60 watts of total power through a convenient DC power output jack on the I/O coastline to power peripherals.

The CyberMed NB22 or CyberMed NB22 can provide a single 9V/12V/20V/24V DC power output with a maximum of 60 watts at a given time.

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

01 Barcode Scanners

02 Card Readers

03 Printers

04 Other peripherals

These are the only medical computers currently available on the market that offer the unique feature of powering peripherals directly from the computer.

Note: Please check the peripheral power requirements before plugging it into the CyberMed NB22 or CyberMed NB22 to prevent damage or injury. A peripheral requiring over 60 watts of power should not be plugged into our medical cart computers.

If you have questions about what devices can be plugged into the CyberMed NB22, please contact us.

Status of Three Hot Swappable Batteries

The CyberMed NB22 notifies the user with on-screen information about battery health, battery capacity and when to replace depleted batteries.

It can operate on a single battery while charging the other two batteries.

Plug directly into AC if you don't wish to use the batteries or if you wish to charge the batteries while in the computer.

Powerful with 6th Gen Intel Core CPU

The CyberMed NB22 offers the Skylake 6th generation Intel Core i3/i5/i7 processor series. This CPU has up to 2.5x greater performance and 3x the battery life of most computers.
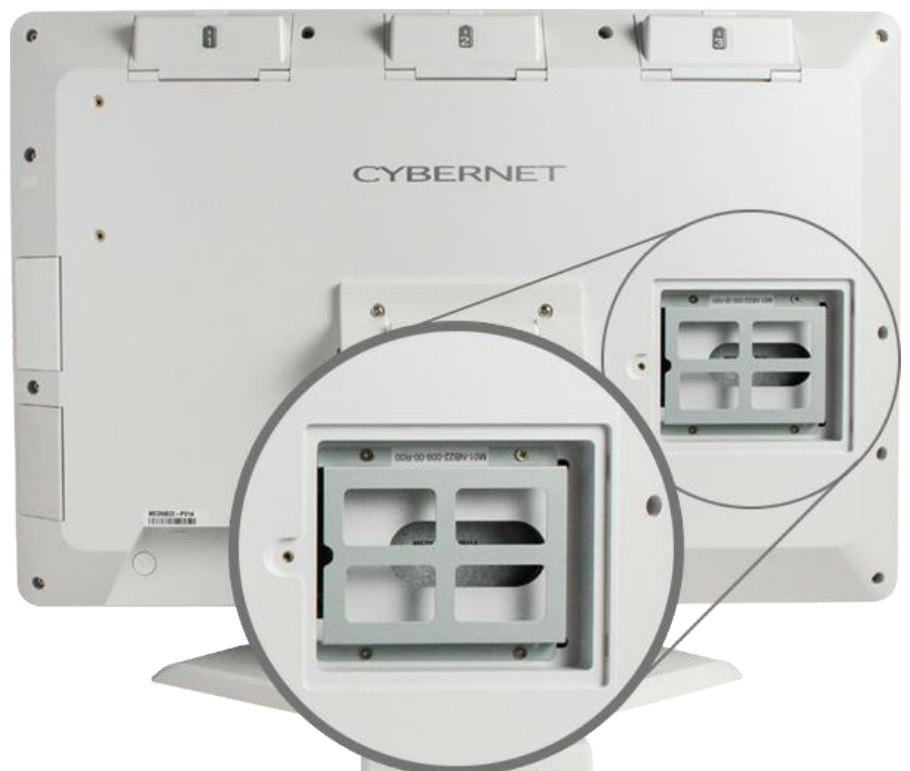
This is the first medical computer with hot swappable batteries to have the Skylake Intel 6th Generation Core processor.

DDR4 RAM with up to 32GB of memory can handle the most memory intensive medical applications.

Easy Access to SSD

Remove one screw to gain access to the hard drive / SSD.

Instead of taking the entire computer apart in order to replace a hard drive, IT can remove one screw and have instant access.

16 Hours of Runtime

Get 16 hours of runtime without recharging the batteries.

Liberate your medical staff. They can put in fresh batteries and go their entire shift without worrying about recharging.

Save Money on Operating Costs

The CyberMed NB22 medical cart computer can reduce your Total Cost of Ownership (TCO). Rather than using battery-powered medical carts, your costs can be greatly reduced through the use of a medical cart computer with hot swap batteries.

- 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 and often an annual expense.

- 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 of the CyberMed NB22 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.

Additional Features

- CAC / Smart Card Reader / Integrated Biometric Reader

- VESA Mountable with standard VESA Options

- Embedded Privacy Filter / MVA LED Panel

Ports

- 4x USB 3.0 ports, 2x USB 2.0 ports

- 1x RS232/422/485 serial port with option to expand to 4 COM ports

- HDMI, 1x 4 pin DIM power jack

Battery Charging Station

Charge up to three batteries simultaneously.

With the hot swappable batteries feature, you can replace the batteries from the CyberMed NB22 and charge the removed batteries in the battery charging station.

This allows you to use the CyberMed NB22 continuously without plugging it in.

CYBERMED NB22
22" Fanless Medical Computer with 3 Hot Swap Batteries

Display	• 22" medical grade MVA LED panel (1920x1080)	**Webcam**	• 3 Megapixel Camera
CPU Support	• 6th Generation Intel Skylake-U Core i3/i5/i7 processors	**Wall Mount**	• Supports 75mm & 100mm VESA mounting holes
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 DIM power Jack	**Options**	• Smart Card Reader • RFID Reader • Fingerprint reader • MSR Module • 3 Battery Multi-charge Station
Bios	• AMI Flash BIOS supports ACPI, API, DMI, Plug & Play, and security password. Supports booting from HDD, PXE, LAN, CD-ROM, and ANY USB device. Has BIOS System POST and BIOS setup password protection	**Expansion Slots**	• 1x mPCIe connector for PCIe module • 1x M2.M key long slot for SATA or PCIe interface with auto swap • 1x M2.E key short slot for PCIe or USB interface
Memory	• 2x DDR4, 1866/2133MHz SO-DIMM sockets, populated up to 32GB Max	**HDD Support**	• 1x 6Gbps Serial ATA III ports (1 additional optional) • Up to 1TB SSD
Operating System	• Window 10/8.1/8/7 & Linux	**Chipset**	• Integrated
Video & Graphics	• Intel® HD Graphics 520	**Dimensions**	• 21.75" x 14.5" x 1.92" (L, W, D)
Networking	• 1x Gigabit (Gbe) LAN Intel I219LM • 1x Gigabit (Gbe) LAN Realtek RTL8111G	**Weight**	• 15.35 lbs without batteries and without base stand • 18.25 lbs with 3 batteries and without base stand
Audio	• 1x Line-out • 1x Microphone • 2-channel 2Watt speaker facing back	**Battery**	• 3x Hot-swap battery, 86~90Watts each • Charge time: 4 hours • Total battery life: 16 hours
Environment	• Ambient Temperature: 0°C ~ 40°C (operating)	**Relative Humidity**	• 10% ~ 90% (non-condensing)
Touch Screen	• PCAP Multi Touch with Antiglare Technology	**Certifications**	• EN60601-1, UL60950 electrical safety, FCC class B, CE, Energy Star 6.1, RoHS 2
Wireless	• Intel® Dual Band Wireless-AC 7265 802.11 AC + Bluetooth 4.0	**Swivel Base**	• Optional desktop stand with Antimicrobial Germ protection with rotation function Left/Right plus tilt function Up/Down
Colors	• White with Antimicrobial Germ Protection	**Waterproof**	• IP65 Front Bezel and Back Cover

About Cybernet Manufacturing

Since 1996, Cybernet has stood for reliability, durability and built-to-order All in One PCs. To ensure reliability, durability & quality, we use military grade components in our All in One PCs for the healthcare, industrial & business markets.

Cybernet is the pioneer in high-performance, all-in-one PC technology. We have focused our design and manufacturing efforts on space saving IT solutions, customized for our customers' unique environments and computing needs.

Customer Support

Our customer support is one of the best in the industry. Cybernet believes in building relationships with our customers, and we understand the challenges facing IT departments.

With facilities in the US, United Kingdom and Taiwan, Cybernet provides local support and service facilities to our global customers based on their location.

Our goal is to provide the best customized solution for every customer, backed by our international team of sales and tech support representatives.

UK & Europe

Cybernet Europe
Network House, Hawkins Road
Colchester, Essex CO2 8LA
United Kingdom
Phone: +44.0845.539.1200
Fax: +44.0845.539.1201

www.cyberneteurope.com
sales@cyberneteurope.com

Asia & Middle East

Cybernet Taiwan Company, LTD.
4F., No.25, Lane 140, Xingai Rd
Neihu District, Taipei City 11494,
Taiwan (R.O.C.)
Phone: (02) 2790-4776
Fax: (02) 2793-3172

www.cybernet.com.tw
sales@cybernet.com.tw

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howard-medical.com
info@howard-medical.com
phone: 877.856.6441

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