

Medical AIO

21.5" All In One PC | BHD-220H



BHD220H

21.5" Medical AIO PCs

Non-powered Panel PCs

Tiger Lake Processor



Anti-Bacterial



IP65



Fanless



RFID



WIFI



Webcam



IC Card Reader

Key Features

- Full HD Panel PC
- Multi-touch PCT screen
- Flat and edgeless ID design
- Fanless design, Ease of cleaning
- Medical grade materials
- Dustproof and waterproof (IP65)
- Isolation USBs
- Dual LED reading light

The 220H is designed for seamless integration into hospital environments, the product caters to both general and specialized use cases within medical settings, ensuring enhanced efficiency and productivity across a spectrum of medical tasks.

This versatile device serves as a vital tool for accessing and supporting a wide range of application from patient information, medical records, media services, education, intervention, monitoring, admissions and more.



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Specifications

System	Processor System Memory I/O Chipset Watchdog Timer H/W Status Monitor TPM	11th Generation Intel® Core™ i7/i5/i3/Celeron Processor Two 260-pin DDR4 3200 MHz SO-DIMM socket, supports up to 64GB MaxIT8528E H/W Reset, 1sec. – 65535sec./min.1sec. or 1min. step CPU temperature monitoring, System temperature monitoring VCORE voltage monitoring VIN voltage monitoring Onboard NuvoTon NPCT754AABYX Support TPM 2.0
Storage	Storage	1 x M.2 Storage
I/O Ports	USB Port COM Port SATA Other	2 x USB 2.0 2 x USB Type C (USB 3.1/Display/PD 3.0 15V) 1 (Optional) 1 x SATA III Dual LED Reading Light Bar I/O Cover Optional Handset 1D Barcode Scanner
Optional I/O Ports	Isolated I/O Ports	2x DB9, 2x USB 2.0 (Optional)
Audio	Audio Codec Speaker Output	Realtek ALC888S 2 x 2W
Certifications	Certification	CE : IEC/EN60601-1-2 FCC : Part 15 Class B UL60601-1, UKCA
Software Support	OS Information	Win10 64bit, Win11, Linux
Expantions	Expansion	1 x Low Profile PCIe 1 x M.2 for 4G/5G
Power Requirement	DC Input Connector Power Mode Adapter	Lockable DC Jack, +12V~+26V AT/ATX (ATX is default setting) Medical grade Input: 100~240 Vac/50~60Hz; Output: 90W Adapter (19V/4.74A Adapter)
Software Support	OS Information	Win10 64bit, Win11, Linux
Panel	LCD Size Display Type Resolution Pixel pitch Luminance Contrast ratio Viewing angle Response time Backlight Touch Type Touch Light Touch Controller Multi Display	21.5" Full HD 1920 x 1080 0.24795 (H) x 0.24795 (V) 250 cd/m² 1000 89(U), 89(D), 89(L), 89(R) 22ms LED Projective Capacitive 86% USB touch (EETI EXC3188) Windows support extended mode
Mechanical & Environmental	Operating Temperature Storage Temperature Operating Humidity Dimension (W x L x H) Weight Vibration Test Shock Test IP Rating System Fan Construction - Front Construction - Rear Finishing Fanless	0°C ~ 40°C (32°F ~ 104°F) -30°C ~ 70°C (-22°F ~ 158°F) 0% ~ 90% Relative Humidity, Non-condensing 539.6 x 342.6 x 45.2 mm 6.0 Kgs With SSD/mSATA : 1.5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30min/axis With CF/SSD : 10Grms, IEC 60068-2-27, Half Sine, 11ms Front IP65 Fanless White Plastic White Plastic Anti-Microbial Yes

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Dimensions

