










iCOMED 22

Medical All-In-One 



- ✓ Ideal for healthcare environment & non-powered medical carts.
- ✓ Anti-bacteria housing
- ✓ Three hot-swappable batteries with a total runtime up to 16 hours
- ✓ 22" fanless FHD medical grade panel PC
- ✓ Intel® Celeron®, Core™ i5/i7 Skylake ULT SoC processor
- ✓ The battery docking station can perform fast charging, taking only 3 hours from 0 to 100%
- ✓ Optional integrated RFID reader
- ✓ Certification: CE (IEC EN 60601-1-2)

 <p>HEALTHCARE ENVIRONMENT</p>	 <p>Battery Pack HOT SWAP</p>	 <p>LCD 22" LED</p>	 <p>FHD 1920x1080</p>	 <p>CAPACITIVE MULTITOUCH</p>	 <p>UP TO IP65</p>	 <p>Fanless</p>	 <p>0dB Emission</p>	 <p>WiFi</p>
 <p>Bluetooth 4.2</p>	 <p>RFID</p>		 <p>2x3W</p>	 <p>VESA 100 & 75</p>	 <p>Skylake CPU 6th Gen Intel® Core™</p>	 <p>DDR4 UP TO 32 GB</p>	 <p>LAN 2 x Gb LAN</p>	 <p>COM RS232/422/ 485</p>



Technical features

System	Processor	6 th generation Intel® mobile ULT SoC Core™ i7-6600U / Core™ i5-6300U / Celeron® 3855U	
	Cooling system	Fanless	
	Expansion slot	1 x *Full-size/half-size PCIe Mini (PCIe+USB)	
Memory	*Max exp.	32GB	
	Type	DDR4 2133 SO-DIMM / 4GB, 8GB, 16GB	
Front I/O interfaces	Slot	2	
	LED Function	1 x RFID indicator 3 x Battery indicator (Color : Blue/Red) 1 x Power Indicator 1 x Brightness up 1 x Brightness down 1 x Volume up 1 x Volume down 1 x Touch lock & LCD on/off 1 x Task Manager & Power on/off	
Side I/O interfaces	USB	2 x USB 2.0	
	Audio	2 x Jack 3.5mm (Audio Out / Mic In)	
	Power	1 x Power switch	
Lower I/O interfaces	USB	4 x USB 3.0	
	COM	2 x RS232/422/485	
	LAN	2 x RJ45	
	Video	2 x HDMI	
	Power	1 x DC-IN Jack	
Storage	Integrated SATA controller	2 x *M.2 (Socket 3, M key, 2280/60/42 SATA & PCIe, RAID supp.) 1 x SATA3 6Gb/s	
	HDD/SSD bay	1 x SSD SATA 2.5"	
	Integrated graphic	Intel® HD Graphics (depends CPU model)	
Video subsystem	Integrated LCD display	21.5" a-Si TFT LCD / TN Mode Full HD 16:9 1920x1080 LED Backlight MTBF: 30000 hrs Brightness: 250 cd/m ² Contrast Ratio: 1000:1 Viewing angle: H 176° / V 170° with CR=5	
	Touchscreen	Projected capacitive type with 10-point multi-touch Gove capable: up to 5 layer surgical gloves	
	Contemporary active display	Max 3 (1 internal, 2 external*) *Not included	
	Multimedia	Webcam	5-megapixel CMOS front-facing camera with auto-focus and digital microphone
		Microphone	1 x Digital Mic
		Speaker	2 x 3W Speaker
Network subsystem	Integrated network adapter	2 x 10/100/1000 Intel® GbE LAN Support for Intel vPro® AMT 12.x only for i7/i5 CPU Support for WOL for both configurations	
	Bluetooth	V4.2 (M.2 2230 A-E key module)	
	Wi-Fi	IEEE 802.11 a/b/g/n/ac 2T2R module	
	Note	*This feature upgrade can be performed only bu manufacturer	

Power	Power supply	External 19V 150W medical AC/DC power adapter
	Battery	3 x slots for hot swappable battery pack 7800mAh/87Wh each battery pack Runtime of 8~16 hours, depends on workload
Mechanical features	L x W x H	543 x 350 x 71 mm
	Mounting	Wall, Stand and Arm VESA 100/75
	Weight	7.07 kg without batteries 8.43 kg with 3 batteries
Software	Color	White
	Front Panel	ABS+PC plastic with anti-bacterial material
Environment	Supported operating system	Microsoft Windows 10 64bit
	Operating temp.	From 0°C to 40°C
	Non op. temp.	From -20°C to +60°C
	RH	10% to 90% (non-condensing)
	IP Level	Front: IP65, Back: IP32
Product certification	Reference marks	CE, RoHS
	Reference directive	Built in compliance with European Directive 2014/53/EU (RED) and 2011/65/EU (RoHS III) Also tested for IEC 60601-1-2
Company certification	Reference standards	UNI EN ISO 9001
Product code	CNICOMED22-CEA-00	iCOMED22, 21.5"FHD, PCAP, 3855U,DDR4 3xLi-ion 7800mAh,19Vdc
	CNICOMED22-ISA-00	iCOMED22, 21.5"FHD, PCAP, i5-6300U,DDR4 3xLi-ion 7800mAh,19Vdc
	CNICOMED22-I7A-00	iCOMED22, 21.5"FHD, PCAP, i7-6600U,DDR4 3xLi-ion 7800mAh,19Vdc

Doc. Ref. ZST-4292-00000115-04



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Last update 27/07/2021



Three Hot-swappable Batteries

Three hot-swappable, rechargeable lithium-ion batteries provides non-stop operation service for nursing cares

- Long lasting battery (7800mAh/87Wh each battery pack) provide sufficient power for running 8~16 hours
- The user can change the low power hot-swappable battery anytime without work interruption and avoid water and dust dropping
- Ergonomic side-facing design ease the use for nurses with different height and avoid dust and water accumulation
- The fool-proof battery slot with clean indication can avoid wrong operations.



Digital microphone 19V DC Jack RS-232/422/485 GbE LAN AT/ATX HDMI Reset USB 3.0

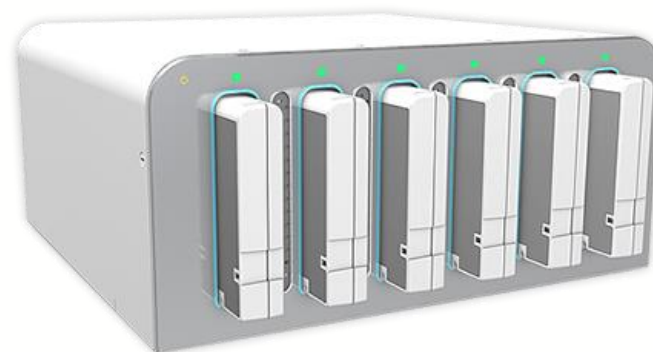
6-Slot Battery Charging Station

(optional)

The 6-slot battery charging station built-in with an optimized charging module provides fast charging capability.

Six batteries can be fully charged within 3.5 hours delivering greater convenience for the daily charging task.

- Side slide-in design prevents the station from dust and water accumulation
- Sleek outlook design with 15V/280W AC power adapter.



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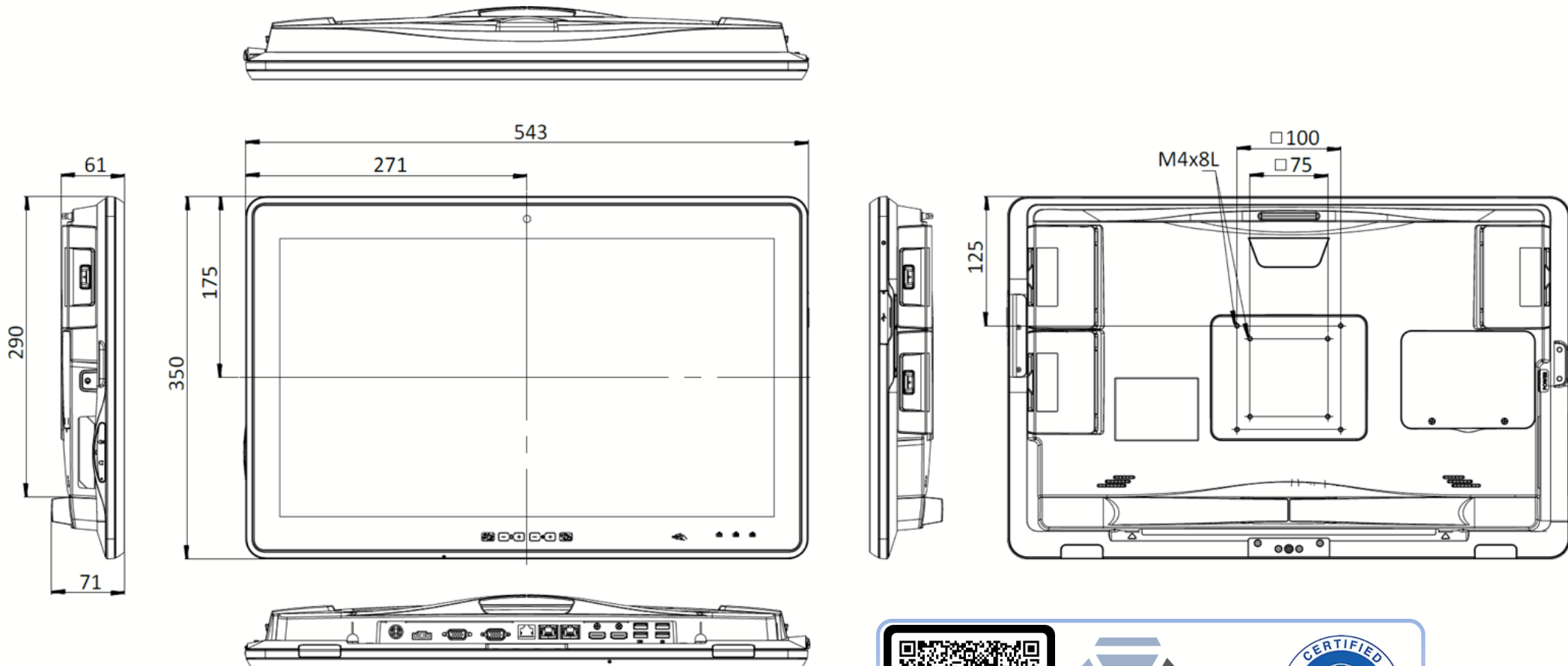
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Mechanical specification



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All dimensions are expressed in millimeters (mm)

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