



**MEDICAL GRADE
AIO PCs & MONITORS**
PLUS ACCESSORIES

NEW
v1.2

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Why buy Freeway Med-Tech?

Check out the high quality components we use as standard equipment!

Plus, on page 6 a look at the competition's AIO PC tech.



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MT500-24T

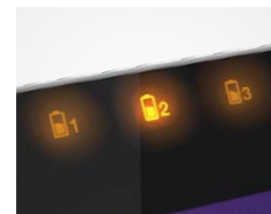
Battery-powered 24in touch screen AIO Monitor/PC.



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Battery status LEDs explained

Information on our monitors' front-facing LED battery status indicators.



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MT500-22T

Our new 22in version of the Battery-powered touch screen AIO Monitor/PC.



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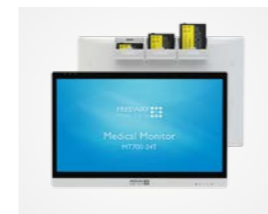
Mains-powered 24in touch screen AIO Monitor/PC.



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MT700-24T

Battery-powered 24in touch screen Monitor.



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MT600-24T

Mains-powered 24in touch screen Monitor.



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MT202 Lithium-ion battery pack

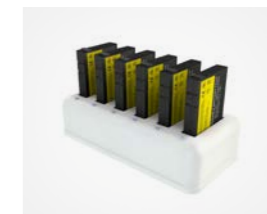
Technical information on our high quality, high capacity hot-swappable batteries.



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MT202 6-bay battery charger

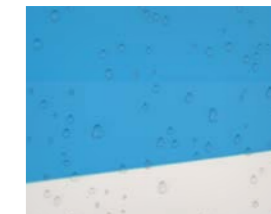
Our off-unit charging accessory for the MT202 Li-ion battery packs.



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Product cleaning and chemical guide

General cleaning information and use of suitable industry-standard chemical products.



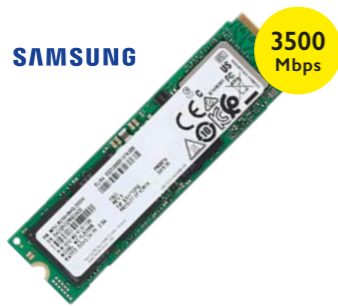
WHY BUY FREEWAY MED-TECH?

Well, just look at the high specification components we use

in our Medical Grade AIO PCs as STANDARD equipment.



8 Core



3500 Mbps



Future proof



x3* Ports



30kv (Up to)



Easy tap to edit



No rear* speakers



More tech per £

More cores in our CPUs

We use 10th gen Intel CPUs which have as many as 4 times the number of cores compared with similar AIOs from other manufacturers.

Blazingly fast storage

We use mPCIe NVMe type SSD storage modules which are approx 5 times faster than competitors' commonly used SATA SSDs.

WiFi 6 networking

Not only faster than WiFi 5, but our WiFi 6 card ensures better compatibility with newer networks.

COM serial ports

Expansive connectivity with multiple COM ports as standard on our MT400 and MT500 products.

*2x serial ports MT500 / 3x serial ports MT400

Impressive Electrostatic Discharge Isolation

Up to 30kV isolation on USB, HDMI and Ethernet. This far exceeds most competitors' systems and the 60601 requirements!

On-screen display menus

Edit parameters like brightness, volume and wifi selection via a single function button and touch screen taps. Great for a clinical environment.

Built-in mic and powerful stereo speaker system

An integral mic make our screens easily adapted for telemedicine applications with the optional camera added.

*Downward facing speakers result in a louder, brighter sound.

Tech that is unrivalled at our price point!

Most of the features listed here are either optional extras or not available on other manufacturer's units.

COMPARE OUR AIO TECH*



		Freeway Med-Tech - MT500-24T	Cybernet - NB24	Onyx Venus - 244
MAIN SPECIFICATIONS	Processor	Cometlake 10TH GEN Pentium/i7/i9 (up to 10 Cores)	Skylake/Kabylake 6/7th Gen i3/i5/i7 (2 Cores)	Tigerlake 11th Gen i5 i135G7 CPU (4 Cores)
	Memory support	DDR4 up to 64GB	DDR4 up to 32GB	DDR4 up to 32GB
	OS Support	Win 10 & 11, Linux, Igel	Win7, 8, 8.1, 10, Linux, Igel	Win8, 8.1, 10, 11, Ubuntu, Igel
	Graphics	Intel UHD 630	Intel HD 520	Intel UHD
	Storage	NVMe as std. up to 2TB	M.2 / SATA up to 1TB	M.2 SSD up to 512GB
	Wireless	Intel AX200 802.11AX (WiFi6) + BT5.2 inc as std.	Intel 802.11AC/a/b/g/n + BT 4.0	802.11AX/a/b/g/n + BT 4.0/5.0 (optional)
	Built in Microphone	Inc. as standard	Optional	N/A
	Camera	5MP Full HD optional	3MP/5MP (optional)	2MP/5MP camera (optional)
	Touch	PCT	PCT	PCT
	Speaker	5Wx2	2W x 2 Speakers, stereo sound	3W x 2
	Security	TPM 2.0 / Smart Card (optional) / RFID (optional)	TPM 1.2/2.0 / Smart Card (optional) / RFID (optional)	TPM 2.0 / Smart Card (optional) / RFID (optional)
Energy Star rating	ES8.0	ES6.1	Not specified	
DISPLAY	Display / Resolution	23.8" MVA / FHD 1920x1080	23.6" MVA / FHD 1920x1080	23.8" MVA / FHD 1920x1080
I/O	USB	Rear I/O: USB 3.0 x 4 / Side I/O : USB 2.0 x 2	Rear I/O: USB 3.0 x 4 / Side I/O : USB 2.0 x 2	Rear I/O: USB 3.0 x 2, USB 2.0 x 2 / Front I/O: USB3.0 x 2
	Video	HDMI-Out x 1	HDMI-In 1.4 x 1 / HDMI-Out 1.4 x 1	HDMI 1.4 x1
	COM	COM port x2 (15kV ESD isolation)	COM port x1, Up to 4 (optional)	COM port x2
	Audio	Combo audio port x1	Separate Audio in/out ports	Combo audio port x1
	Ethernet	Gigabit LAN x1	Gigabit LAN x2	Gigabit LAN x2
	DC-OUT	Optional 12/15/19V DC output	Optional 5V/9V/12V/20V/24V/48V Output	Optional DC output
	VESA	100mm	75/100mm	75/100mm
MECHANICAL/ ENVIRONMENTAL	Dimension (LxWxD)	564 x 345 x 40mm	598 x 377 x 53mm	560 x 404 x 78mm
	Net Weight	Without batteries: 7.4kg / With 3 batteries: 8.8kg	Without batteries: 8.05kg / With 3 batteries: 9.37kg	Without batteries: 8kg
	Certifications	UL60601-1 / IEC60601-1 Medical Certified, CE, RoHS & WEEE Compliant	EN60601-1, UL60950 electrical safety, FCC class B, CE, Energy Star 6.1, RoHS 2, WEEE, RF, CTRIX CERTIFICATION	CE EN 60601-1-2:2015(V4.0), EN 60601-1:2006/ A1:2013(V3.1) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1)
	Battery Capacity	3x 11.1V, 7800mAh (total of 255 Wh) MT202 Li-ion battery	3 x 14.8V/5900mAh (total of 264Wh)	2 x 10.95V/8550mAh (total of 187.3Wh) OPM-P02T High capacity model
	Run time	Up to 16 hours	Up to 21 hours	Up to 12 hours
	Charge time	3.5hrs in charging station	4 hours in charging station	3.5 hours in charging station
	Antimicrobial Housing	Yes	Yes	No
	Reading Light	Standard	N/A	Standard
	Product URL	https://www.freewaymedtech.com/products/mt500-24t-full-power	https://www.cybernetman.com/en/medical-cart-computer	https://www.onyx-healthcare.com/productdetail/Medical_Cart_Computer(Venus)/Venus-244.html



		IEI - POCm-W24C-ULT3	Advantech - POC-424	Wincomm - WMP-24J		
MAIN SPECIFICATIONS	Processor	Skylake 6th Gen Celeron, i5/i7 (2 cores)	Whiskeylake Celeron, i5/i7 (4 Cores)	Whiskeylake i5/i7 (4 Cores)	Processor	
	Memory support	DDR up to 32GB	DDR4 up to 64GB	DDR4 up to 64GB	Memory support	
	OS Support	Win7, 10	Win, 8, 8.1, 10, 11	W10 & W11	OS Support	
	Graphics	Intel HD520	Intel HD620	Intel HD620	Graphics	
	Storage	M2 / Sata	SATA std, optional NVMe	SATA 2.5" or optional M.2 NVMe	Storage	
	Wireless	802.11 a/b/g/n/ac + BT4.2	802.11 ax (optional)	WiFi6 + BT (optional)	Wireless	
	Built in Microphone	Optional	N/A	Inc. as standard	Built in Microphone	
	Camera	5MP (optional)	5MP	5MP (optional)	Camera	
	Touch	PCT	PCT, RTS	PCAP	Touch	
	Speaker	2 x 3W speakers	2W x 2 Speaker	2x2w	Speaker	
	Security	TPM 2.0 (optional) / Smart Card (optional) / RFID (optional)	TPM 2.0 (optional) / Smart Card (optional) / RFID (optional)	TPM 2.0 (optional) / Smart Card (optional) / RFID (optional)	Security	
Energy Star rating	Not specified	Not specified	ES6.1	Energy Star rating		
DISPLAY	Display / Resolution	23.8" MVA / FHD 1920x1080	23.8" / FHD 1920x1080	23.8" MVA / FHD 1920x1080	Display	DISPLAY
I/O	USB	Rear I/O: USB 3.0 x 4 / Side I/O : USB 2.0 x 2	Rear I/O: USB 3.0 x 2, USB 2.0 x 2 / Side I/O : USB 2.0 x 2	Rear I/O: USB 3.0 x 4 / Side I/O : USB 2.0 x 2 (optional)	USB	
	Video	HDMI-Out x2	HDMI x 1, Display Port x1	Display Port x2	Video	
	COM	COM port x2	COM port x2	COM port x2	COM	
	Audio	Separate Audio in/out ports	N/A	Separate Audio in/out ports	Audio	
	Ethernet	Gigabit LAN x2	Gigabit LAN x2	Gigabit LAN x2	Ethernet	
	DC-OUT	Not available	Not available	NA	DC-OUT	
	VESA	75/100mm	100mm	75/100mm	VESA	
MECHANICAL/ ENVIRONMENTAL	Dimension (LxWxD)	594.6 x 379.6 x 71mm	524 x 357 x 62mm	540 x 375 x 78mm	Dimension	
	Net Weight	Without batteries: 8.18kg / With 3 batteries: 9.53kg	6.29kg (no battery option)	Without batteries: 9kg / With 3 batteries: 10.5Kg	Net Weight	
	Certifications	CE/FCC Class B Part 18 IEC 60601-1:2005+AMD1:2012 (Edition 3.1) IEC 60601-1-2:2014 (Edition 4.0)	UL60601-1/EN60601-1 Edition 3.1, CE & FCC Edition 4.0 Class B, and CCC certified	cULus/EN/UL/60601-1, 60601-1-2 4th Edition, IEC62133, FCC/CE/VCCI	Certifications	
	Battery Capacity	3x 11.1V, 7800mAh (total of 259.74 Wh) DR202 Li-ion battery	No internal hotspot batteries offered. Battery power by separate power pack only.	3x 11.1V, 7800mAh (total of 255 Wh) DR202 Li-ion battery	Battery Capacity	
	Run time	8 Hours	N/A	8 hours	Run time	
	Charge time	3.5 hours	N/A	No information	Charge time	
	Antimicrobial Housing	Yes	No	Yes	Antimicrobial Housing	
	Reading Light	N/A	Standard	Standard	Reading Light	
	Product URL	https://dls.ieiworld.com/IEIWeb/PDC_OBJ/NOTES/DATASHEET/2020_Catalog/Panel_Computing/POCm-W22C_W24C-ULT3_20200120.pdf	https://advdownload.advantech.com/productfile/PIS/POC-424/file/POC-424_DS(021022)_V22022022104447.pdf	https://www.wincomm.com.tw/proimages/Download/Marketing/Datasheet/WMP/Wincomm_WMP-24J_Data_Sheet_v1.4.1.pdf	Product URL	

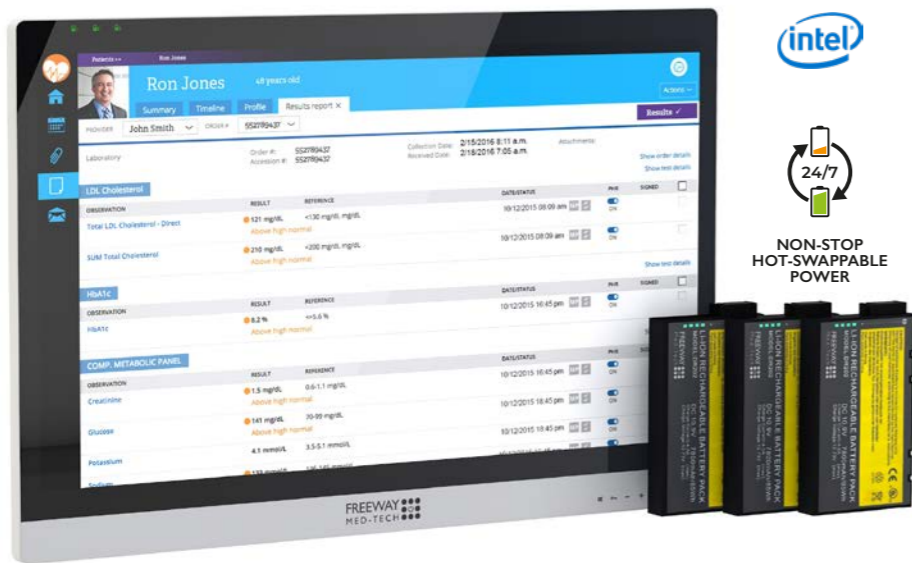


MEDICAL AIO

BATTERY POWERED / 24IN



MT500-24T - AIO BATTERY POWERED 24IN MEDICAL PC



STATE-OF-THE-ART TOUCH SCREEN



10-point multi touch capacitive type screens as standard!

CHARGER DOCK (available separately)



(p.60/61)

Charge up to 6 Li-ion battery packs simultaneously!

PRODUCT CODE

MT500-24T Battery powered 24in AIO touch screen medical grade monitor/PC

The Freeway Med-Tech MT500-24T Battery Powered All-In-One Monitor/PC offers fully mobile computing with its powerful, hot-swappable rechargeable battery packs. Options for 1, 2 or 3 Lithium-ion batteries allow for either an emergency power back up, or totally wire-free operation. Also features a handy built-in reading light.

DIMENSIONS

Height = 370.9mm Width = 564.3mm Depth = 41.2mm

PRODUCT ELEVATIONS

Front



W

H

Side



D

KEY FEATURES

- Uses up to 3 Lithium-ion batteries for a full shift of mobile operation
- No need to be near mains power
- Intel Core-i5/7/9 processors
- Microsoft® Windows® 10 OS (IoT Enterprise license)
- DC outputs can power PC peripherals and other medical equipment
- High contrast 24" capacitive-type touch screen
- Slim fanless design
- UL6061 certified with anti-microbial enclosure
- Withstands common medical environment cleaning chemicals*

MT500-24T - AIO BATTERY POWERED 24IN MEDICAL PC

FRONT



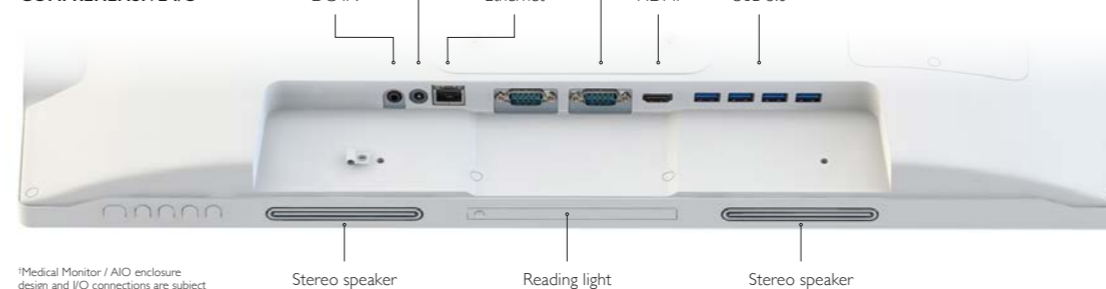
REAR



Uses up to 3 Li-ion batteries

100x100 VESA mounting

COMPREHENSIVE I/O†



Stereo speaker

Reading light

Stereo speaker

†Medical Monitor / AIO enclosure design and I/O connections are subject to change without notice. Image may look different to production models.



Water resistant enclosures

The screen and rear enclosure are IP rated against dust and moisture ingress, ensuring easy cleaning and disinfection*.

*See pages 62/3 for detailed information on cleaning chemicals and procedures.



Choice of processor

Modern Intel® Core-i7/9 range of processors to choose from.



Optional DC-out

Can power PC peripherals and other medical equipment.



Battery status made easy

Front facing LED battery indicators offer feedback on the health of each battery.



Easily hot-swap battery packs in a matter of seconds



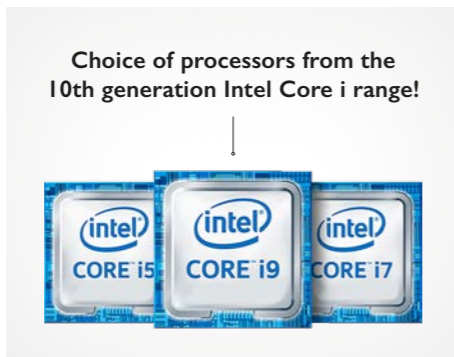
Clear battery status LEDs



The **OPTIONAL** DC-out can power PC peripherals!



Moisture resistant medical-grade front panel



Choice of processors from the 10th generation Intel Core i range!

A choice of 6 to 10 cores of Intel processing power:



Windows 10 OS
IoT Enterprise version comes pre-installed with **license included.**

Also available without license.

Industry standard OS for medical software and systems.

TECHNICAL SPECIFICATIONS

System	
CPU	Intel® Core™ i5-10500T, 2.3 GHz (up to 3.8GHz) - 6 core Intel® Core™ i7-10700T, 2.0 GHz (up to 4.5GHz) - 8 core Intel® Core™ i9-10900T, 1.9 GHz (up to 4.6GHz) - 10 core
RAM	8GB to 64GB
Storage	256Gb to 4TB Flash (mPCIe NVMe type SSD)
Operating System	Microsoft® Windows® 10 IoT Enterprise
Display	23.8in capacitive touch screen
Display resolution	1920x1080
Trusted platform module	TPM 2.0
Reading light	LED reading light x 1
Microphone and speaker	Built-in microphones and speaker
Network Interface	
WLAN	Ethernet 10/100/1000 MB Base-T LAN; Wi-Fi 802.11ax, 2.4GHz/5GHz dual band
Bluetooth	Bluetooth 5.1
I/O Ports	
USB Ports	USB 2.0 x 2 and USB 3.0 x 4
COM Port	2
HDMI-out (1.4a)	1
Audio Jack	1
Ethernet	RJ45 connector for ethernet x 1
DC-in	1
DC-out (optional)	12V x 1, 15V x 1, 19V x 1

Mechanical/Environmental	
Fan/Fanless	Fanless
AC/DC Adaptor	Input: 100 – 240V AC; Output: 19V DC, 6.31A
Battery Pack	MT202 Li-ion battery, 85Wh, 7800mAh x 3 (optional)
Enclosure	ABS + PC plastics, anti-microbial enclosure
Dimensions (H x W x D)	370.9x564.3x41.2mm
Weight	7.4kg (without battery) - 8.8kg (with 3 batteries)
VESA-compliant mounting	100mm x 100mm VESA standard
Water Resistance	Front panel: IP65; Enclosure: IPX2
Regulatory	ANSI/AAMI ES60601-1, IEC60601-1, FCC Part 18, FCC Part 15 Class B, GB 17625.1, GB 4943.1, GB/T 9254, CE-EMC, CE-RED, RCM, CCC
Major options	
Camera	Full-HD front camera
NFC/RFID reader	Dual frequency, reads both 125KHz and 13.56MHz credentials
Smart Card/CAC Reader	Full-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card



MT500-24T ACCESSORIES (available separately)



MT202 Li-ion battery pack



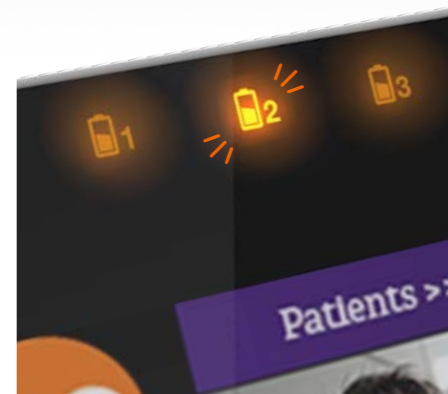
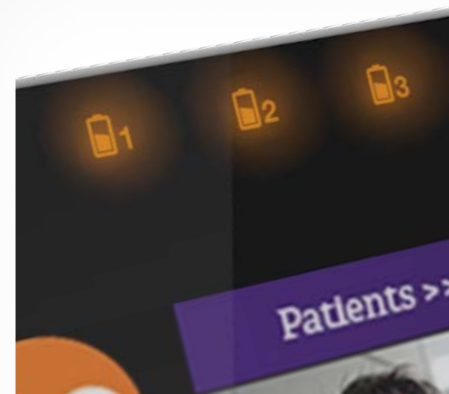
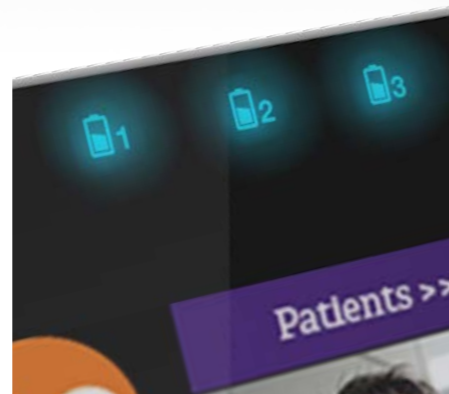
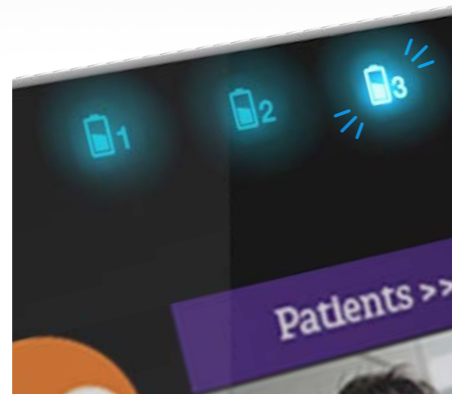
MT202 6-gang battery charger

Battery status. Constantly visible.

The Freeway Med-Tech MT500-24T / MT500-22T (AIOs) and the MT700-24T (Monitor) products feature an intuitive LED battery health indicator system that is always visible at the top of the panel.

Simply by glancing at the top left of the screen, the user can quickly see if the batteries are; fully charged, partly charged or are in need of immediate charging. The same indicators will also tell the user when the unit is plugged in and charging.

See the images opposite for the indication of each stage.



So, what do the battery status LEDs mean?



A blinking blue indicator...
This means the corresponding battery is charging.



A solid blue indicator...
This means the corresponding battery is charged 25% and above. No need to worry about charging in the near term.

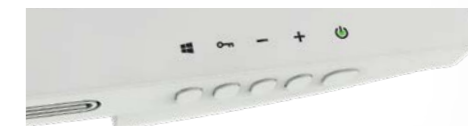


A solid orange indicator...
This means the corresponding battery is charged between 24-10%. The user should be aware that the pack will need charging soon.



A blinking orange indicator...
This means the corresponding battery is charged 9% or less. The user should swap out the battery or plug into a mains socket.

The on-screen menu



Exact percentages
can be seen by entering the menu using the monitor's function buttons.




MT500-24T - PENTIUM™ PROCESSOR - STORAGE AND MEMORY CHOICE

Choose your performance spec based around the Intel® Pentium™ central processing unit.

Delivered ready to switch on, each Freeway Med-Tech AIO monitor/PC is loaded with Windows® 10 IoT Enterprise edition.

A standard warranty of 12 months from date of purchase covers any faulty components or workmanship with the option to extend this by an extra 48 months to 5 years in total from date of purchase.



 Please quote the correct part number opposite when ordering as all units are custom built.

MT500-24T with Intel® Pentium™ CPU

23.6in Medical Cart Computer with capacitive touch LCD, Intel® 10th Gen Pentium™ processor, medical grade AC/DC adapter.



Part Number	Operating System	Storage	RAM	Standard Warranty	Extended Warranty*
MT500-24T-584TP0-X-495	Win 10 IoT Enterprise	256GB	8GB	12 months	60 months
MT500-24T-584TP0-X-595	Win 10 IoT Enterprise	256GB	16GB	12 months	60 months
MT500-24T-584TP0-X-5A5	Win 10 IoT Enterprise	512GB	16GB	12 months	60 months

*Extended Warranty available as a cost option, please enquire for prices at time of order. Extended Warranty must be ordered at time of purchase. Extended Warranty is a 48 month extension on top of the standard 12 months offered, to provide 60 months from date of first purchase.


MT500-24T - i5 PROCESSOR - STORAGE AND MEMORY CHOICE

Choose your performance spec based around the powerful Intel® i5 Core™ central processing unit.

Delivered ready to switch on, each Freeway Med-Tech AIO monitor/PC is loaded with Windows® 10 IoT Enterprise edition.

A standard warranty of 12 months from date of purchase covers any faulty components or workmanship with the option to extend this by an extra 48 months to 5 years in total from date of purchase.



 Please quote the correct part number opposite when ordering as all units are custom built.

MT500-24T with Intel® i5 Core™ CPU

23.6in Medical Cart Computer with capacitive touch LCD, Intel® 10th Gen i5 Core™ processor, medical grade AC/DC adapter.



Part Number	Operating System	Storage	RAM	Standard Warranty	Extended Warranty*
MT500-24T-584T50-X-495	Win 10 IoT Enterprise	256GB	8GB	12 months	60 months
MT500-24T-584T50-X-595	Win 10 IoT Enterprise	256GB	16GB	12 months	60 months
MT500-24T-584T50-X-5A5	Win 10 IoT Enterprise	512GB	16GB	12 months	60 months

*Extended Warranty available as a cost option, please enquire for prices at time of order. Extended Warranty must be ordered at time of purchase. Extended Warranty is a 48 month extension on top of the standard 12 months offered, to provide 60 months from date of first purchase.

MT500-24T - i7 PROCESSOR - STORAGE AND MEMORY CHOICE

Choose your performance spec based around the powerful Intel® i7 Core™ central processing unit.

Delivered ready to switch on, each Freeway Med-Tech AIO monitor/PC is loaded with Windows® 10 IoT Enterprise edition.

A standard warranty of 12 months from date of purchase covers any faulty components or workmanship with the option to extend this by an extra 48 months to 5 years in total from date of purchase.



! Please quote the correct part number opposite when ordering as all units are custom built.

MT500-24T with Intel® i7 Core™ CPU

23.6in Medical Cart Computer with capacitive touch LCD, Intel® 10th Gen i7 Core™ processor, medical grade AC/DC adapter. Supplied with 3 x MT202 Batteries.



Part Number	Operating System	Storage	RAM	Standard Warranty	Extended Warranty*
MT500-24T-584T70-X-495	Win 10 IoT Enterprise	256GB	8GB	12 months	60 months
MT500-24T-584T70-X-595	Win 10 IoT Enterprise	256GB	16GB	12 months	60 months
MT500-24T-584T70-X-5A5	Win 10 IoT Enterprise	512GB	16GB	12 months	60 months

*Extended Warranty available as a cost option, please enquire for prices at time of order. Extended Warranty must be ordered at time of purchase. Extended Warranty is a 48 month extension on top of the standard 12 months offered, to provide 60 months from date of first purchase.

MT500-24T - i9 PROCESSOR - STORAGE AND MEMORY CHOICE

Choose your performance spec based around the powerful Intel® i9 Core™ central processing unit.

Delivered ready to switch on, each Freeway Med-Tech AIO monitor/PC is loaded with Windows® 10 IoT Enterprise edition.

A standard warranty of 12 months from date of purchase covers any faulty components or workmanship with the option to extend this by an extra 48 months to 5 years in total from date of purchase.



! Please quote the correct part number opposite when ordering as all units are custom built.

MT500-24T with Intel® i9 Core™ CPU

23.6in Medical Cart Computer with capacitive touch LCD, Intel® 10th Gen i9 Core™ processor, medical grade AC/DC adapter. Supplied with 3 x MT202 Batteries.



Part Number	Operating System	Storage	RAM	Standard Warranty	Extended Warranty*
MT500-24T-584T90-X-495	Win 10 IoT Enterprise	256GB	8GB	12 months	60 months
MT500-24T-584T90-X-595	Win 10 IoT Enterprise	256GB	16GB	12 months	60 months
MT500-24T-584T90-X-5A5	Win 10 IoT Enterprise	512GB	16GB	12 months	60 months

*Extended Warranty available as a cost option, please enquire for prices at time of order. Extended Warranty must be ordered at time of purchase. Extended Warranty is a 48 month extension on top of the standard 12 months offered, to provide 60 months from date of first purchase.

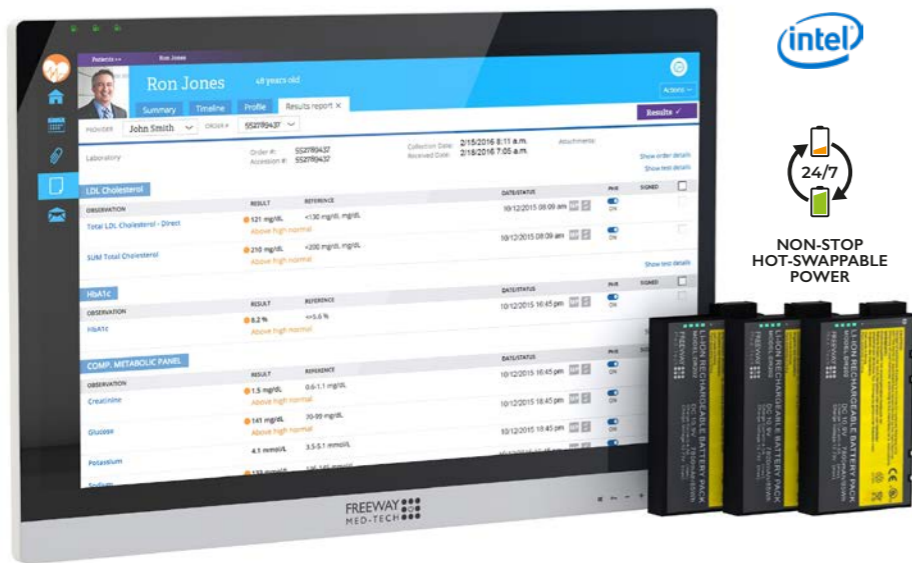


MEDICAL AIO

BATTERY POWERED / 22IN



MT500-22T - AIO BATTERY POWERED 22IN MEDICAL PC



STATE-OF-THE-ART TOUCH SCREEN



10-point multi touch capacitive type screens as standard!

CHARGER DOCK (available separately)



(p.60/61)

Charge up to 6 Li-ion battery packs simultaneously!

PRODUCT CODE

MT500-22T Battery powered 22in AIO touch screen medical grade monitor/PC

The Freeway Med-Tech MT500-22T Battery Powered All-In-One Monitor/PC offers fully mobile computing with its powerful, hot-swappable rechargeable battery packs. Options for 1, 2 or 3 Lithium-ion batteries allow for either an emergency power back up, or totally wire-free operation. Also features a handy built-in reading light.

DIMENSIONS

Height = 345.9mm Width = 516.9mm Depth = 40.4mm

PRODUCT ELEVATIONS

Front



W

H

Side



D

KEY FEATURES

- Uses up to 3 Lithium-ion batteries for a full shift of mobile operation
- No need to be near mains power
- Intel Core-i5/7/9 processors
- Microsoft® Windows® 10 OS (IoT Enterprise license)
- DC outputs can power PC peripherals and other medical equipment
- High contrast 22" capacitive-type touch screen
- Slim fanless design
- UL6061 certified with anti-microbial enclosure
- Withstands common medical environment cleaning chemicals*

MT500-22T - AIO BATTERY POWERED 22IN MEDICAL PC

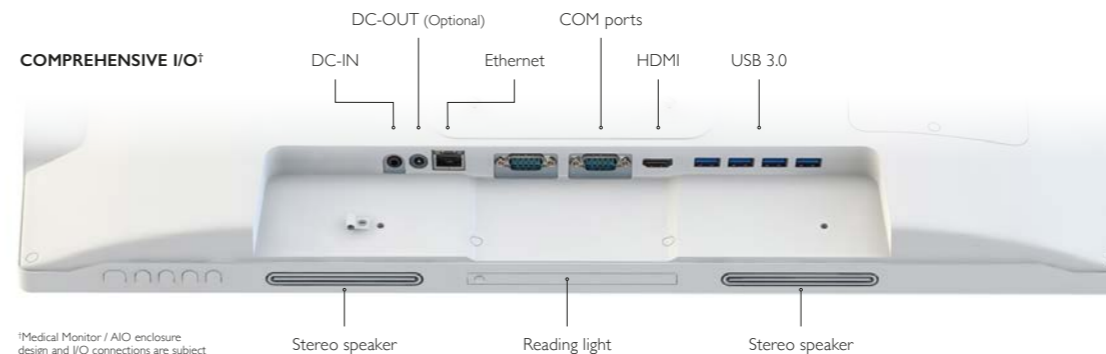
FRONT



REAR



COMPREHENSIVE I/O†



Stereo speaker

Reading light

Stereo speaker

†Medical Monitor / AIO enclosure design and I/O connections are subject to change without notice. Image may look different to production models.

FREWAY
Med-Tech



Water resistant enclosures

The screen and rear enclosure are IP rated against dust and moisture ingress, ensuring easy cleaning and disinfection*.

*See pages 62/3 for detailed information on cleaning chemicals and procedures.



Choice of processor

Modern Intel® Core-i7/9 range of processors to choose from.



Optional DC-out

Can power PC peripherals and other medical equipment.



Battery status made easy

Front facing LED battery indicators offer feedback on the health of each battery.



Easily hot-swap battery packs in a matter of seconds



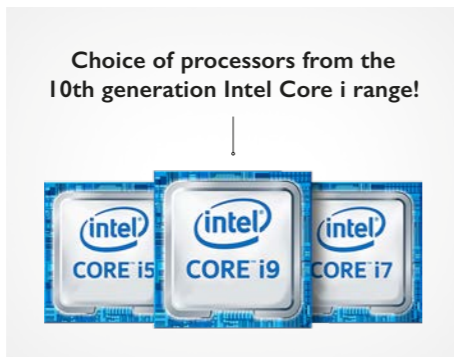
Clear battery status LEDs



The **OPTIONAL** DC-out can power PC peripherals!



Moisture resistant medical-grade front panel



Choice of processors from the 10th generation Intel Core i range!

A choice of 6 to 10 cores of Intel processing power:



Windows 10 OS
IoT Enterprise version comes pre-installed with **license included.**

Also available without license.

Industry standard OS for medical software and systems.

TECHNICAL SPECIFICATIONS

System	
CPU	Intel® Core™ i5-10500T, 2.3 GHz (up to 3.8GHz) - 6 core Intel® Core™ i7-10700T, 2.0 GHz (up to 4.5GHz) - 8 core Intel® Core™ i9-10900T, 1.9 GHz (up to 4.6GHz) - 10 core
RAM	8GB to 64GB
Storage	256Gb to 4TB Flash (mPCIe NVMe type SSD)
Operating System	Microsoft® Windows® 10 IoT Enterprise
Display	21.5in capacitive touch screen
Display resolution	1920x1080
Trusted platform module	TPM 2.0
Reading light	LED reading light x 1
Microphone and speaker	Built-in microphones and speaker
Network Interface	
WLAN	Ethernet 10/100/1000 MB Base-T LAN; Wi-Fi 802.11ax, 2.4GHz/5GHz dual band
Bluetooth	Bluetooth 5.1
I/O Ports	
USB Ports	USB 2.0 x 2 and USB 3.0 x 4
COM Port	2
HDMI-out (1.4a)	1
Audio Jack	1
Ethernet	RJ45 connector for ethernet x 1
DC-in	1
DC-out (optional)	12V x 1, 15V x 1, 19V x 1

Mechanical/Environmental	
Fan/Fanless	Fanless
AC/DC Adaptor	Input: 100 – 240V AC; Output: 19V DC, 6.31A
Battery Pack	MT202 Li-ion battery, 85Wh, 7800mAh x 3 (optional)
Enclosure	ABS + PC plastics, anti-microbial enclosure
Dimensions (H x W x D)	345.9x516.9x40.4mm
Weight	7.3kg (without battery) - 8.7kg (with 3 batteries)
VESA-compliant mounting	100mm x 100mm VESA standard
Water Resistance	Front panel: IP65; Enclosure: IPX2
Regulatory	ANSI/AAMI ES60601-1, IEC60601-1-2, FCC Part 18, FCC Part 15 Class B, GB 17625.1, GB 4943.1, GB/T 9254, CE-EMC, CE-RED, RCM, CCC
Major options	
Camera	Full-HD front camera
NFC/RFID reader	Dual frequency, reads both 125KHz and 13.56MHz credentials
Smart Card/CAC Reader	Full-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card



MT500-22T ACCESSORIES (available separately)



MT202 Li-ion battery pack



MT202 6-gang battery charger

MT500-22T - PENTIUM™ PROCESSOR - STORAGE AND MEMORY CHOICE

Choose your performance spec based around the Intel® Pentium™ central processing unit.

Delivered ready to switch on, each Freeway Med-Tech AIO monitor/PC is loaded with Windows® 10 IoT Enterprise edition.

A standard warranty of 12 months from date of purchase covers any faulty components or workmanship with the option to extend this by an extra 48 months to 5 years in total from date of purchase.



! Please quote the correct part number opposite when ordering as all units are custom built.

MT500-22T with Intel® Pentium™ CPU

21.5in Medical Cart Computer with capacitive touch LCD, Intel® 10th Gen Pentium™ processor, medical grade AC/DC adapter.



Part Number	Operating System	Storage	RAM	Standard Warranty	Extended Warranty*
MT500-22T-582TP0-X-495	Win 10 IoT Enterprise	256GB	8GB	12 months	60 months
MT500-22T-582TP0-X-595	Win 10 IoT Enterprise	256GB	16GB	12 months	60 months
MT500-22T-582TP0-X-5A5	Win 10 IoT Enterprise	512GB	16GB	12 months	60 months

*Extended Warranty available as a cost option, please enquire for prices at time of order. Extended Warranty must be ordered at time of purchase. Extended Warranty is a 48 month extension on top of the standard 12 months offered, to provide 60 months from date of first purchase.

MT500-22T - i5 PROCESSOR - STORAGE AND MEMORY CHOICE

Choose your performance spec based around the powerful Intel® i5 Core™ central processing unit.

Delivered ready to switch on, each Freeway Med-Tech AIO monitor/PC is loaded with Windows® 10 IoT Enterprise edition.

A standard warranty of 12 months from date of purchase covers any faulty components or workmanship with the option to extend this by an extra 48 months to 5 years in total from date of purchase.



! Please quote the correct part number opposite when ordering as all units are custom built.

MT500-22T with Intel® i5 Core™ CPU

21.5in Medical Cart Computer with capacitive touch LCD, Intel® 10th Gen i5 Core™ processor, medical grade AC/DC adapter.



Part Number	Operating System	Storage	RAM	Standard Warranty	Extended Warranty*
MT500-22T-582T50-X-495	Win 10 IoT Enterprise	256GB	8GB	12 months	60 months
MT500-22T-582T50-X-595	Win 10 IoT Enterprise	256GB	16GB	12 months	60 months
MT500-22T-582T50-X-5A5	Win 10 IoT Enterprise	512GB	16GB	12 months	60 months

*Extended Warranty available as a cost option, please enquire for prices at time of order. Extended Warranty must be ordered at time of purchase. Extended Warranty is a 48 month extension on top of the standard 12 months offered, to provide 60 months from date of first purchase.

MT500-22T - i7 PROCESSOR - STORAGE AND MEMORY CHOICE

Choose your performance spec based around the powerful Intel® i7 Core™ central processing unit.

Delivered ready to switch on, each Freeway Med-Tech AIO monitor/PC is loaded with Windows® 10 IoT Enterprise edition.

A standard warranty of 12 months from date of purchase covers any faulty components or workmanship with the option to extend this by an extra 48 months to 5 years in total from date of purchase.



! Please quote the correct part number opposite when ordering as all units are custom built.

MT500-22T with Intel® i7 Core™ CPU

21.5in Medical Cart Computer with capacitive touch LCD, Intel® 10th Gen i7 Core™ processor, medical grade AC/DC adapter. Supplied with 3 x MT202 Batteries.



Part Number	Operating System	Storage	RAM	Standard Warranty	Extended Warranty*
MT500-22T-582T70-X-495	Win 10 IoT Enterprise	256GB	8GB	12 months	60 months
MT500-22T-582T70-X-595	Win 10 IoT Enterprise	256GB	16GB	12 months	60 months
MT500-22T-582T70-X-5A5	Win 10 IoT Enterprise	512GB	16GB	12 months	60 months

*Extended Warranty available as a cost option, please enquire for prices at time of order. Extended Warranty must be ordered at time of purchase. Extended Warranty is a 48 month extension on top of the standard 12 months offered, to provide 60 months from date of first purchase.

MT500-22T - i9 PROCESSOR - STORAGE AND MEMORY CHOICE

Choose your performance spec based around the powerful Intel® i9 Core™ central processing unit.

Delivered ready to switch on, each Freeway Med-Tech AIO monitor/PC is loaded with Windows® 10 IoT Enterprise edition.

A standard warranty of 12 months from date of purchase covers any faulty components or workmanship with the option to extend this by an extra 48 months to 5 years in total from date of purchase.



! Please quote the correct part number opposite when ordering as all units are custom built.

MT500-22T with Intel® i9 Core™ CPU

21.5in Medical Cart Computer with capacitive touch LCD, Intel® 10th Gen i9 Core™ processor, medical grade AC/DC adapter. Supplied with 3 x MT202 Batteries.



Part Number	Operating System	Storage	RAM	Standard Warranty	Extended Warranty*
MT500-22T-582T90-X-495	Win 10 IoT Enterprise	256GB	8GB	12 months	60 months
MT500-22T-582T90-X-595	Win 10 IoT Enterprise	256GB	16GB	12 months	60 months
MT500-22T-582T90-X-5A5	Win 10 IoT Enterprise	512GB	16GB	12 months	60 months

*Extended Warranty available as a cost option, please enquire for prices at time of order. Extended Warranty must be ordered at time of purchase. Extended Warranty is a 48 month extension on top of the standard 12 months offered, to provide 60 months from date of first purchase.

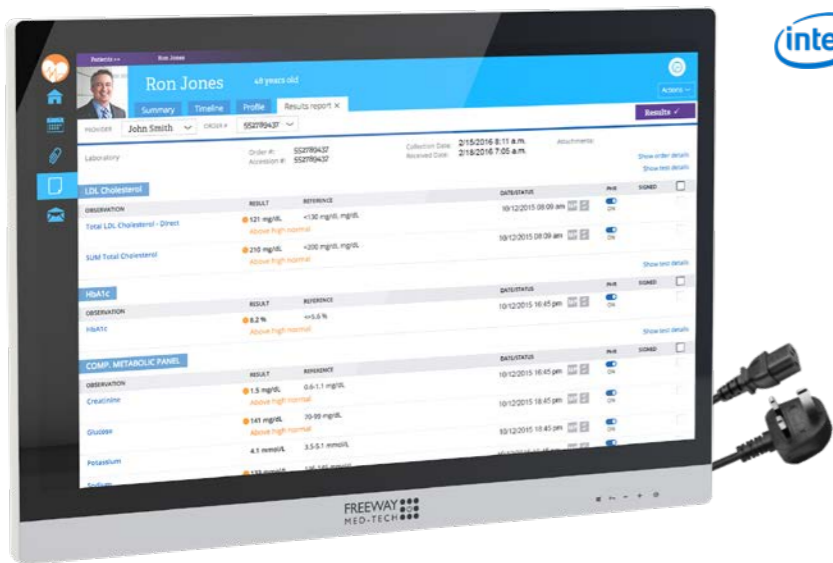


MEDICAL AIO

MAINS POWERED / 24IN



MT400-24T - AIO MAINS POWERED 24IN MEDICAL PC



STATE-OF-THE-ART TOUCH SCREEN



10-point multi touch capacitive type screens as standard!

MAINS POWERED (240V)



PRODUCT CODE

MT400-24T Mains powered 24in AIO touch screen medical grade PC

The Freeway Med-Tech MT400-24T Mains Powered All-In-One Monitor/PC offers the same technical specification and features as our battery powered AIO model, just with the need for a permanent 240V mains supply. For use where an iWOW will be predominately used in a fixed location.

DIMENSIONS

Height = 370.5mm Width = 567mm Depth = 45.2mm

PRODUCT ELEVATIONS

Front



W

Side



D

KEY FEATURES

- Intel Core-i5/7/9 processors
- Microsoft® Windows® 10 OS
- OPTIONAL DC outputs can power PC peripherals and other medical equipment
- High contrast 24" capacitive-type touch screen
- Slim fanless design
- UL60601 certified with anti-microbial enclosure
- Withstands common medical environment cleaning chemicals*

MT400-24T - AIO MAINS POWERED 24IN MEDICAL PC

FRONT



REAR



100x100 VESA mounting

COMPREHENSIVE I/O†



†Medical Monitor / AIO enclosure design and I/O connections are subject to change without notice. Image may look different to production models.



Water resistant enclosures

The screen and rear enclosure are IP rated against dust and moisture ingress, ensuring easy cleaning and disinfection*.

*See pages 62/3 for detailed information on cleaning chemicals and procedures.



Choice of processor

Intel® Core-i5 and Pentium™ processors to choose from.



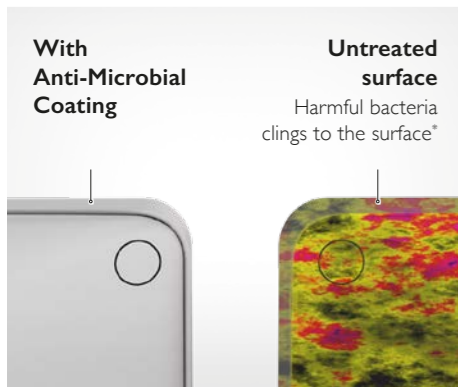
Optional DC-out

Can power PC peripherals and other medical equipment.



Mains powered

Requires a permanent 240V mains outlet for use.



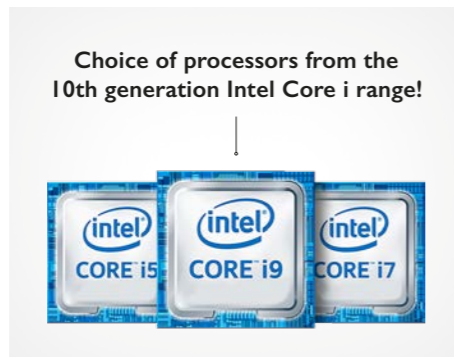
Anti-microbial enclosure resists bacteria transmission



Built-in speakers and clear easy-to-use function buttons located on the underside of the monitor



Moisture resistant medical-grade front panel



A choice of 6 to 10 cores of Intel processing power:



Industry standard OS for medical software and systems.

*For illustrative purposes only. Bacteria cannot be seen with the naked eye.

TECHNICAL SPECIFICATIONS

System	
CPU	Intel® Core™ i5-10500T, 2.3 GHz (up to 3.8GHz) - 6 core Intel® Core™ i7-10700T, 2.0 GHz (up to 4.5GHz) - 8 core Intel® Core™ i9-10900T, 1.9 GHz (up to 4.6GHz) - 10 core
RAM	8GB to 64GB
Storage	256Gb to 4TB Flash (mPCIe NVMe type SSD)
Operating System	Microsoft® Windows® 10 IoT Enterprise
Display	23.8in capacitive touch screen
Display resolution	1920x1080
Trusted platform module	TPM 2.0
Battery Pack	Optional integrated UPS battery x 1
Buttons	1 power and 4 programmable buttons
Microphone and speaker	Built-in microphones and speaker
Network Interface	
WLAN	Wi-Fi 802.11ax, 2.4GHz/5GHz dual band
Bluetooth	Bluetooth 5.1 LE
I/O Ports	
USB Ports	USB 3.0 x 4 (ESD protection: ±17KV by air; ±12KV by contact) USB 2.0 x 2 (ESD protection: ±18KV by air; ±12KV by contact)
COM Port	3
HDMI-out (1.4a)	1 (ESD protection: ±17KV by air; ±12KV by contact)
Audio Jack	1
Ethernet	RJ45 connector x 2 (ESD protection: ±30KV by air; ±30KV by contact)
DC-in	1
DC-out (optional)	12V x 1, 15V x 1, 19V x 1
Potential Equalization Conductor	1 (optional)

Mechanical/Environmental	
Fan/Fanless	Fanless
AC/DC Adaptor	Input: 100 – 240V AC; Output: 19V DC, 6.31A
Enclosure	Aluminum alloy, antimicrobial enclosure
Dimensions (H x W x D)	370.5x567x45.2mm
Weight	8kg
VESA-compliant mounting	100mm x 100mm VESA standard
Water Resistance	Front panel: IP65; Enclosure: IPX2
Regulatory	ANSI/AAMI ES60601-1, IEC60601-1-2, FCC Part 18, FCC Part 15 Class B, GB 17625.1, GB 4943.1, GB/T 9254, CE-EMC, CE-RED, Energy Star 8.0, RCM, CCC
Major options	
Camera	Full-HD front camera
NFC/RFID reader	HF 13.56MHz, ISO standard 15693, 14443A(B) & 18000-3 mode-1, or dual frequency, reads both 125KHz and 13.56MHz credentials
Smart Card/CAC Reader	Full-slot, reads ISO 7816 T=0; T=1; 1.8/3/5V smart card

Intel® WiFi Series 6 Module as standard ✓

Optional Imprivata certified RFID reader ✓

Optional HID® Smart Card Reader ✓

MT400-24T - PENTIUM™ PROCESSOR - STORAGE AND MEMORY CHOICE

Choose your performance spec based around the Intel® Pentium™ central processing unit.

Delivered ready to switch on, each Freeway Med-Tech AIO monitor/PC is loaded with Windows® 10 IoT Enterprise edition.

A standard warranty of 12 months from date of purchase covers any faulty components or workmanship with the option to extend this by an extra 48 months to 5 years in total from date of purchase.



Please quote the correct part number opposite when ordering as all units are custom built.

MT400-24T with Intel® Pentium™ CPU

23.6in Medical Cart Computer with capacitive touch LCD, Intel® 10th Gen Pentium™ processor, medical grade AC/DC adapter.



Part Number	Operating System	Storage	RAM	Standard Warranty	Extended Warranty*
MT400-24T-504TP-X-C495	Win 10 IoT Enterprise	256GB	8GB	12 months	60 months
MT400-24T-504TP-X-C595	Win 10 IoT Enterprise	256GB	16GB	12 months	60 months
MT400-24T-504TP-X-C5A5	Win 10 IoT Enterprise	512GB	16GB	12 months	60 months

*Extended Warranty available as a cost option, please enquire for prices at time of order. Extended Warranty must be ordered at time of purchase. Extended Warranty is a 48 month extension on top of the standard 12 months offered, to provide 60 months from date of first purchase.

MT400-24T - i5 PROCESSOR - STORAGE AND MEMORY CHOICE

Choose your performance spec based around the powerful Intel® i5 Core™ central processing unit.

Delivered ready to switch on, each Freeway Med-Tech AIO monitor/PC is loaded with Windows® 10 IoT Enterprise edition.

A standard warranty of 12 months from date of purchase covers any faulty components or workmanship with the option to extend this by an extra 48 months to 5 years in total from date of purchase.



Please quote the correct part number opposite when ordering as all units are custom built.

MT400-24T with Intel® i5 Core™ CPU

23.6in Medical Cart Computer with capacitive touch LCD, Intel® 10th Gen i5 Core™ processor, medical grade AC/DC adapter.



Part Number	Operating System	Storage	RAM	Standard Warranty	Extended Warranty*
MT400-24T-504T5-X-C495	Win 10 IoT Enterprise	256GB	8GB	12 months	60 months
MT400-24T-504T5-X-C595	Win 10 IoT Enterprise	256GB	16GB	12 months	60 months
MT400-24T-504T5-X-C5A5	Win 10 IoT Enterprise	512GB	16GB	12 months	60 months

*Extended Warranty available as a cost option, please enquire for prices at time of order. Extended Warranty must be ordered at time of purchase. Extended Warranty is a 48 month extension on top of the standard 12 months offered, to provide 60 months from date of first purchase.

MT400-24T - i7 PROCESSOR - STORAGE AND MEMORY CHOICE

Choose your performance spec based around the powerful Intel® i7 Core™ central processing unit.

Delivered ready to switch on, each Freeway Med-Tech AIO monitor/PC is loaded with Windows® 10 IoT Enterprise edition.

A standard warranty of 12 months from date of purchase covers any faulty components or workmanship with the option to extend this by an extra 48 months to 5 years in total from date of purchase.



Please quote the correct part number opposite when ordering as all units are custom built.

MT400-24T with Intel® i7 Core™ CPU

23.6in Medical Cart Computer with capacitive touch LCD, Intel® 10th Gen i7 Core™ processor, medical grade AC/DC adapter.



Part Number	Operating System	Storage	RAM	Standard Warranty	Extended Warranty*
MT400-24T-504T7-X-C495	Win 10 IoT Enterprise	256GB	8GB	12 months	60 months
MT400-24T-504T7-X-C595	Win 10 IoT Enterprise	256GB	16GB	12 months	60 months
MT400-24T-504T7-X-C5A5	Win 10 IoT Enterprise	512GB	16GB	12 months	60 months

*Extended Warranty available as a cost option, please enquire for prices at time of order. Extended Warranty must be ordered at time of purchase. Extended Warranty is a 48 month extension on top of the standard 12 months offered, to provide 60 months from date of first purchase.

MT400-24T - i9 PROCESSOR - STORAGE AND MEMORY CHOICE

Choose your performance spec based around the powerful Intel® i9 Core™ central processing unit.

Delivered ready to switch on, each Freeway Med-Tech AIO monitor/PC is loaded with Windows® 10 IoT Enterprise edition.

A standard warranty of 12 months from date of purchase covers any faulty components or workmanship with the option to extend this by an extra 48 months to 5 years in total from date of purchase.



Please quote the correct part number opposite when ordering as all units are custom built.

MT400-24T with Intel® i9 Core™ CPU

23.6in Medical Cart Computer with capacitive touch LCD, Intel® 10th Gen i9 Core™ processor, medical grade AC/DC adapter.



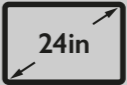
Part Number	Operating System	Storage	RAM	Standard Warranty	Extended Warranty*
MT400-24T-504T9-X-C495	Win 10 IoT Enterprise	256GB	8GB	12 months	60 months
MT400-24T-504T9-X-C595	Win 10 IoT Enterprise	256GB	16GB	12 months	60 months
MT400-24T-504T9-X-C5A5	Win 10 IoT Enterprise	512GB	16GB	12 months	60 months

*Extended Warranty available as a cost option, please enquire for prices at time of order. Extended Warranty must be ordered at time of purchase. Extended Warranty is a 48 month extension on top of the standard 12 months offered, to provide 60 months from date of first purchase.



MEDICAL MONITOR

BATTERY POWERED / 24IN



The Freeway Med-Tech battery powered monitor will power a Dell MFF PC and/or peripheral devices!

No need for large expensive 'car battery' style power supplies.

3 x DC outs - 12, 15 & 19V

The 3 different output voltages give flexibility to power up various popular add-on devices.

Example opposite shows use of the 12 & 19V DC outputs.



An important peripheral

No need to dock and separately charge this mobile label printer: It is kept topped up all day via the monitor's battery packs.



A full speed workstation

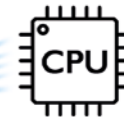
When our MT700 Monitor is used on a mobile workstation, all the power that is required to operate a MFF PC comes direct from the Monitor's DC outs!



But there's more....

Our unique industry-leading technology enables the PC CPU to run at 100% speed!

No throttling back the CPU because it's running on battery power.



Savings over its lifetime >

See overleaf why the MT700 Monitor is so economical to own over the long run.

The MT700 Monitor offers low 'cost to entry' for mobile go-anywhere workstations as well as a lower lifecycle cost*.



Already have the PC hardware?

By utilising an existing and suitable Dell MFF PC, the MT700 immediately offers mobile computing together with the benefit of being able to update the PC at a later date relatively inexpensively compared with an AIO system!

*Compared with all-in-one monitor/PCs and/or mobile workstations using large dedicated battery systems.



No dedicated expensive battery packs

Note - All batteries have a performance lifespan

This is why we utilise the highest quality lithium cells from a brand leader and package them up into small individual 90Wh battery packs. The replacement and servicing cost for these smaller units is much lower than older large dedicated battery setups.



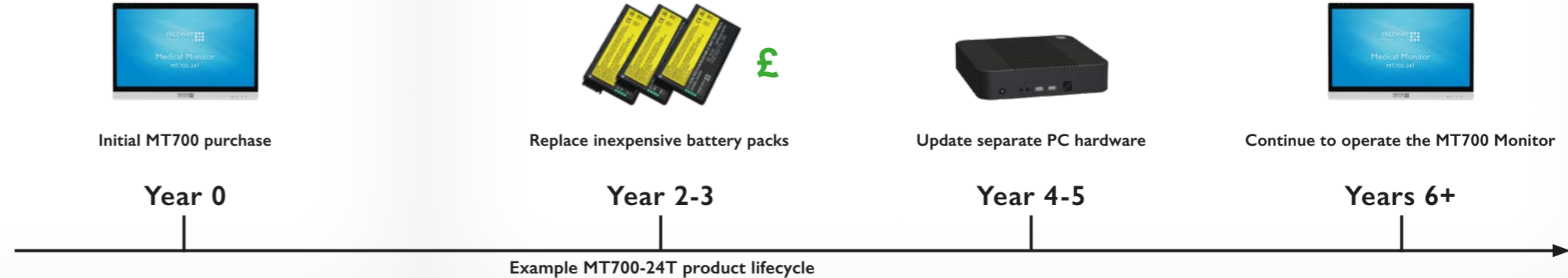
Replace inexpensive battery packs



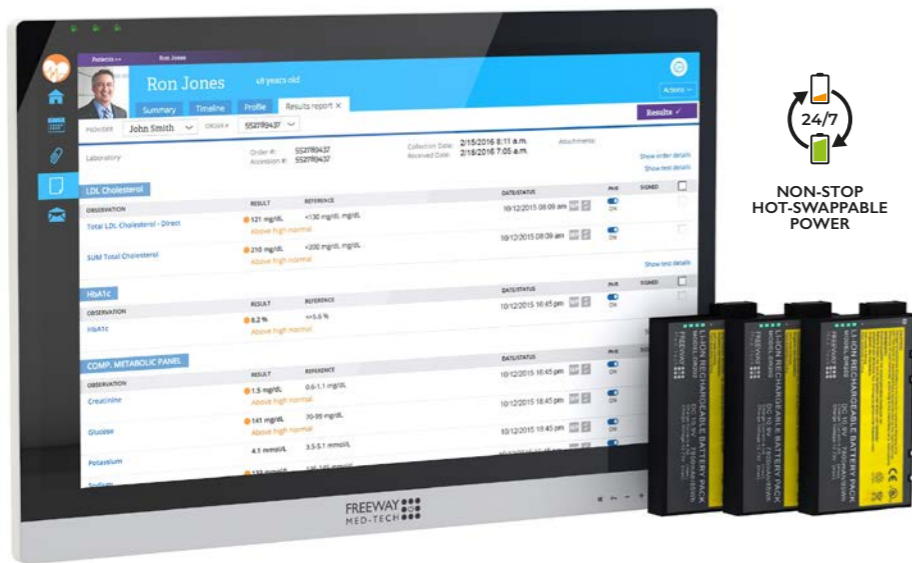
Update separate PC hardware



Continue to operate the MT700 Monitor



MT700-24T - BATTERY POWERED 24IN MEDICAL MONITOR



NON-STOP
HOT-SWAPPABLE
POWER

STATE-OF-THE-ART TOUCH SCREEN



10-point multi touch capacitive type screens as standard!

CHARGER DOCK (available separately)



(p.60/61)

Charge up to 6 Li-ion battery packs simultaneously!

PRODUCT CODE

MT700-24T Battery powered 24in touch screen medical grade monitor

The Freeway Med-Tech MT700-24T Battery Powered Monitor offers truly mobile computing for up to an entire shift due to the powerful, hot-swappable rechargeable battery packs. Available with either 1, 2 or 3 Lithium-ion batteries, you choose whether you simply require emergency power back up, or a full shift of wire-free operation. Also features a handy built-in reading light.

DIMENSIONS

Height = 370.9mm Width = 564.4mm Depth = 41.2mm

PRODUCT ELEVATIONS

Front



W

H

Side



D

KEY FEATURES

- Uses up to 3 Lithium-ion batteries for a full shift of mobile operation
- No need to be near mains power
- DC outputs can power a standalone micro form PC and/or computer peripherals
- Only medical monitor to power a micro PC CPU at 100% speed!
- High contrast 24" capacitive-type touch screen
- Slim fanless design
- UL60601 certified with anti-microbial enclosure
- Withstands common medical environment cleaning chemicals*

MT700-24T - BATTERY POWERED 24IN MEDICAL MONITOR

FRONT



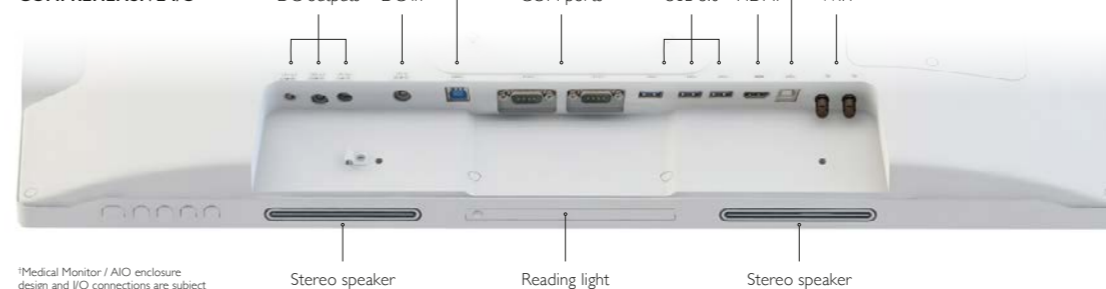
REAR



Uses up to 3 Li-ion batteries

100x100 VESA mounting

COMPREHENSIVE I/O†



†Medical Monitor / AIO enclosure design and I/O connections are subject to change without notice. Image may look different to production models.

FREEWAY
Med-Tech



Water resistant enclosures

The screen and rear enclosure are IP rated against dust and moisture ingress, ensuring easy cleaning and disinfection*.

*See pages 62/3 for detailed information on cleaning chemicals and procedures.



Cost effective upgrades

Separate PC allows for easy future IT upgrades.



Monitor powers a PC!

DC-out will power a micro form PC at full processor speed!



Battery status made easy

Front facing LED battery indicators offer feedback on the health of each battery.

MT700-24T - BATTERY POWERED 24IN MEDICAL MONITOR



Easily hot-swap battery packs in a matter of seconds



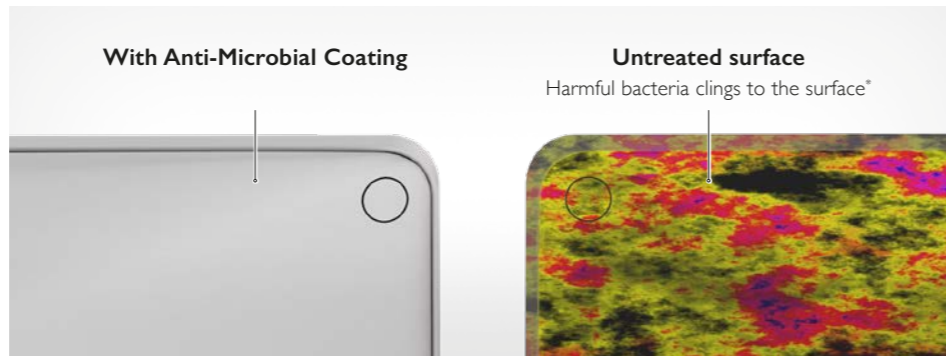
Clear battery status LEDs



The monitor's DC-out can power a micro-form PCI



Moisture resistant medical-grade front panel



Anti-microbial enclosure resists bacteria transmission

*For illustrative purposes only. Bacteria cannot be seen with the naked eye.

MT700-24T - BATTERY POWERED 24IN MEDICAL MONITOR

TECHNICAL SPECIFICATIONS

System	
Display	23.8in capacitive touch screen
Display Resolution	1920x1080
Viewing Angle	Horizontal 89°, Vertical 89°
Number of Colours	16.7M
Brightness	250cd/m2
Response Time	16ms
Control Button	1 screen on/off button, 1 menu button, 1 auto/exit button and 2 up/down buttons
Reading Light	LED reading light x 1
Speaker	Built-in speakers
Microphone	Built-in microphones
I/O Ports	
USB Port	USB 3.0 x 6
USB Port for Touch Screen Connection	USB Type-B (2.0) x 1
USB Input Port	USB Type-B (2.0) x 1
HDMI	1
Antenna	Wi-Fi passthrough x 2
DC-in	1
DC-out	12V x 1, 15V x 1, 19V x 1
COM port	2

Mechanical/Environment	
Fan/Fanless	Fanless
AC/DC Adaptor	Input: 100 – 240V AC; Output: 19V DC, 3.78A
Battery Pack	MT202 Li-ion battery; 90Wh, 8250mAh x 3 (optional)
Enclosure	ABS + PC plastics, anti-microbial enclosure
Dimensions (H x W x D)	370.9 x 564.3 x 41.2 mm
Weight	6.5kg (without batteries); 7.8kg (with 3 batteries)
VESA-compliant mounting	100mm x 100mm VESA standard
Regulatory	ANSI/AAMI ES60601-1, IEC60601-1-2, FCC Part 18, FCC Part 15 Class B, IEC 62368-1, RCM, CCC
Temperature	Operation: 0°C – 40°C; Storage: -20°C – 60°C
Humidity	0% – 90% non-condensing
Major options	
Camera	5 megapixel front camera
NFC/RAD reader	Dual frequency, reads both 125KHz and 13.56MHz credentials

MT700-24T ACCESSORIES (available separately)



MT202
Li-ion
battery
pack

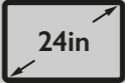


MT202
6-gang
battery
charger



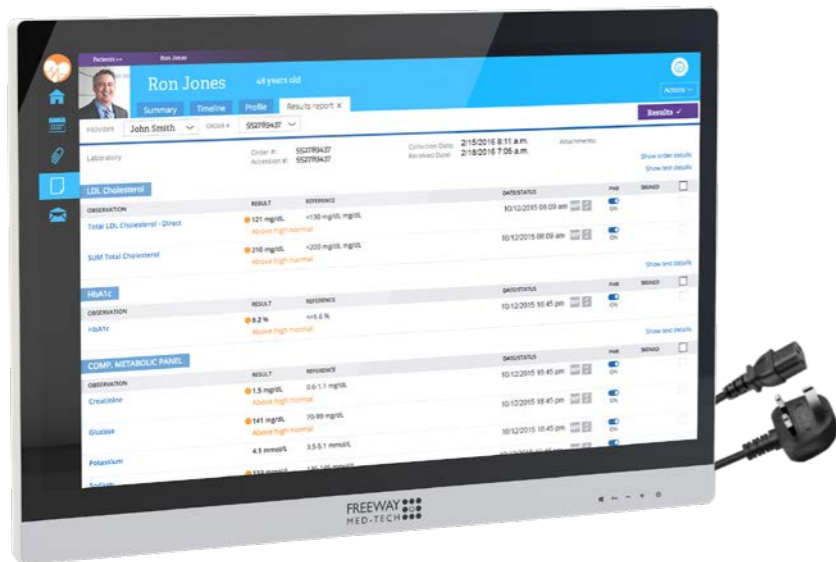
MEDICAL MONITOR

MAINS POWERED / 24IN



*PC not included

MT600-24T - MAINS POWERED 24IN MEDICAL MONITOR



STATE-OF-THE-ART TOUCH SCREEN



10-point multi touch capacitive type screens as standard!

MAINS POWERED (240V)



PRODUCT CODE

MT600-24T Mains powered 24in touch screen medical grade monitor

The Freeway Med-Tech MT600-24T Mains Powered Monitor offers the same technical specification and features as our battery powered model, just with the need for a permanent 240V mains supply. For use where an iWOW will be predominately used in a fixed location.

DIMENSIONS

Height = 370.5mm Width = 567mm Depth = 45.2mm

PRODUCT ELEVATIONS

Front



W

Side



D

KEY FEATURES

- 240V mains operated
- High contrast 24" capacitive-type touch screen
- Fanless design
- Full-HD (1920x1080) resolution
- UL60601 certified with anti-microbial enclosure
- Withstands common medical environment cleaning chemicals*
- OPTIONAL front camera and RFID reader available

MT600-24T - MAINS POWERED 24IN MEDICAL MONITOR

FRONT

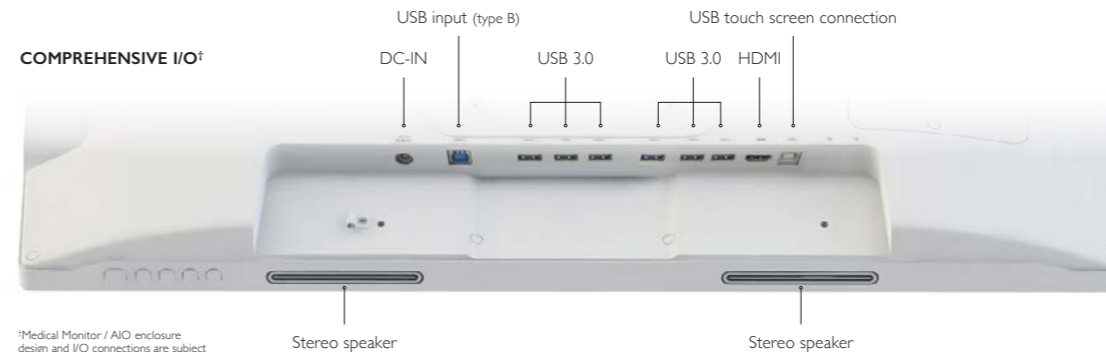


REAR



100x100 VESA mounting

COMPREHENSIVE I/O†



†Medical Monitor / AIO enclosure design and I/O connections are subject to change without notice. Image may look different to production models.

FREEWAY
Med-Tech



Water resistant enclosures

The screen and rear enclosure are IP rated against dust and moisture ingress, ensuring easy cleaning and disinfection*.

*See pages 62/3 for detailed information on cleaning chemicals and procedures.



Cost effective upgrades

Separate PC allows for easy future IT upgrades.



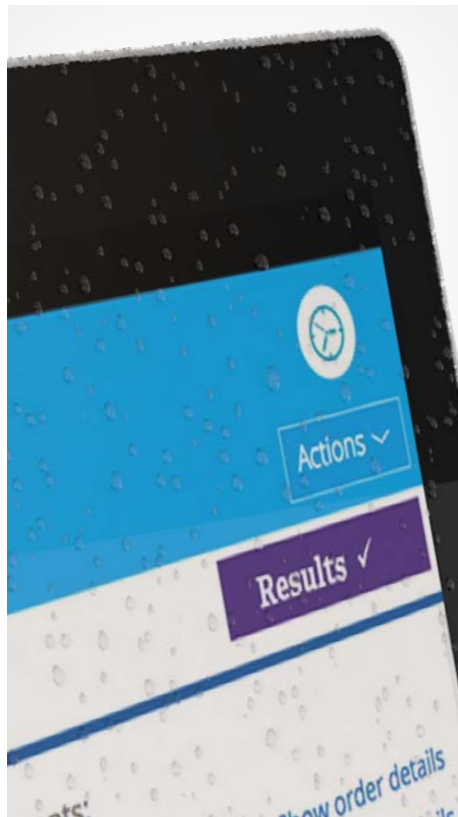
Mains powered

Requires a permanent 240V mains outlet for use.



Touch screen input

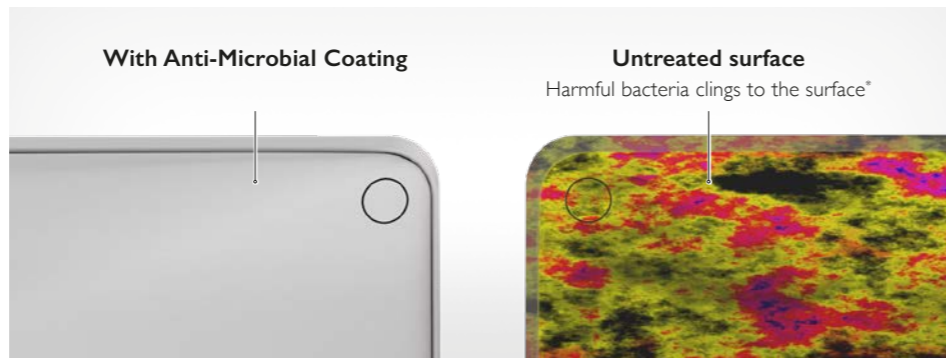
All monitors and AIO's feature state of the art 10-point multi-touch capacitive type touch screens.



Moisture resistant medical-grade front panel



Built-in speakers and clear easy-to-use function buttons located on the underside of the monitor



Anti-microbial enclosure resists bacteria transmission

TECHNICAL SPECIFICATIONS

System	
Display	23.8in capacitive touch screen
Display Resolution	1920x1080
Viewing Angle	Horizontal 89°, Vertical 89°
Number of Colours	16.7M
Brightness	250cd/m2
Response Time	16ms
Control Button	1 screen on/off button, 1 menu button, 1 auto/exit button and 2 up/down buttons
Speaker	Built-in speakers
Microphone	Built-in microphones
I/O Ports	
USB Port	USB 3.0 x 6
USB Port for Touch Screen Connection	USB Type-B (2.0) x 1
USB Input Port	USB Type-B (2.0) x 1
HDMI	1
Antenna	Wi-Fi passthrough x 2
DC-in	1

Mechanical/Environment	
Fan/Fanless	Fanless
AC/DC Adaptor	Input: 100 – 240V AC; Output: 19V DC, 3.78A
Enclosure	ABS + PC plastics, anti-microbial enclosure
Dimensions (H x W x D)	370.5 x 567 x 45.2mm
Weight	6.4kg
VESA-compliant mounting	100mm x 100mm VESA standard
Regulatory	ANSI/AAMI ES60601-1, IEC60601-1-2, FCC Part 18, FCC Part 15 Class B, IEC 62368-1, RCM, CCC
Temperature	Operation: 0°C to 40°C; Storage: -10°C to 50°C
Humidity	0% – 90% non-condensing
Major options	
Camera	5 megapixel front camera
NFC/RFID reader	Dual frequency, reads both 125KHz and 13.56MHz credentials

*For illustrative purposes only. Bacteria cannot be seen with the naked eye.



ACCESSORIES

BATTERY PACKS / 6-BAY CHARGER

MT202 - LITHIUM-ION BATTERY PACK



RELATED ACCESSORIES *(available separately)*



MT202
6-gang
battery
charger

RELATED PRODUCTS



PRODUCT CODE

MT202 Lithium-ion Rechargeable Battery Pack

The Freeway Med-Tech MT202 Lithium-ion battery packs are for use in our Medical Grade Monitors and AIOs and offer a voltage and capacity spec of DC10.9V 7800mAh - 85Wh. Hot-swappable and featuring internal discharge circuit protection. Charge status LEDs show 4 different stages of the power cycle to aid better charging habits. Charging is supported in-monitor, or externally in our 6-bay charger. Full charge time is approx. 4.25hrs in-monitor.

DIMENSIONS

Height = 148.4mm Width = 88.8mm Depth = 19.4mm

PRODUCT ELEVATIONS

Front



W

Side



D

KEY FEATURES

- Hot-swappable
- 4 clear charge status LEDs
- High capacity 7800mAh per pack
- Auto short circuit protection
- Quality Samsung cells used
- Cloth tab for easy removal from monitor/AIO

MT202 - LITHIUM-ION BATTERY PACK

TECHNICAL SPECIFICATIONS

Item	General Parameter	Remark
Description	Freeway Med-Tech Li-ion rechargeable battery MT202 DC10.9V 7800mAh - 85Wh	353P Assembly
Cell Model	Samsung SDI 18650	
Typical Capacity	7800mAh	
Typical Voltage	10.8V	
End of Charge Voltage	12.6V	
Charge Current	0.2C	
Charging time	4.25 hours in monitor from 10% - 90%	Faster off-cart charging available using our external charger
End discharge Voltage	8.4V	
Max continuous charge	3.9A	
Maximum continuous Discharging Current	10A	
Over-discharge Voltage Protection cell	2.8V	
Over-Current Discharge Protection	13-16A	
Short circuit protection	With protection	
Dimension	148.4x88.8x19.4mm	
Weight	435g	
Operating Temperature Range	Charge 0-45C, Discharge 20-60C	



MT202 Batteries shown in a powered monitor MT700-24T (uses up to 3 packs).

SAMSUNG

High quality components

Samsung SDI 18650 cells are used within our battery packs.



On-battery status LEDs

Clear at-a-glance visual of battery health via four LEDs.

- 4 LEDs / 75-100% charged
- 3 LEDs / 50-75% charged
- 2 LEDs / 25-50% charged
- 1 LEDs / 0-25% charged



MT202 - 6-BAY SMART CHARGER



*Battery packs are purchased separately.

RELATED PRODUCTS *(available separately)*

MT202



MT500-24T/22T



MT700-24T



PRODUCT CODE

MT202 6-Bay Smart Charger

The MT202 6-Bay Smart Charger Kit (ACC-001-596) charges the hot-swappable MT202 batteries for the MT700-24T, and MT500-24T series Medical Monitors / AIOs. The Kit includes one battery cradle, an AC-DC adapter, and a power cord.

The battery cradle features a DC-input jack, six battery slots, and six LEDs for power and charging indicators. Connect the AC-DC adapter cable to the DC-input jack and then insert the battery packs in the correct direction into each slot for charging.

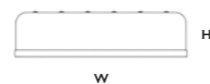
After inserting the battery pack in the slot, the charging LED lights up (orange) if the battery pack is being recharged. When charging is complete or if the battery pack is already fully charged, the LED will show solid blue.

DIMENSIONS

Height = **81.6mm** Width = **321mm** Depth = **157.6mm**

PRODUCT ELEVATIONS

Front



Side



MT202 - 6-BAY SMART CHARGER

TECHNICAL SPECIFICATIONS

I/O Ports	
DC-in	1
Charging Slot	6
Mechanical and Environmental	
AC/DC Adaptors	Input: 100 – 240V AC; Output: 19V DC, 10.52A
Dimensions (H x W x D)	81.6 x 321 x 157.6 mm
Weight	1.3kg
Regulatory	FCC Class B, CE, C-Tick, RoHS compliant
Temperature	Operation: 0°C – 40°C; Storage: -20°C – 60°C
Humidity	0% – 90% non-condensing

*Specifications subject to change without notice.



Individual charging status LEDs

PRECAUTIONS

1. Always exercise care when operating and handling.
2. Do not disassemble any portion of the charger and adapter as this will void any product warranty.
3. Do not use any power adapter other than the one provided with the device or acquired from the manufacturer or its partners.
4. In the unlikely event that abnormal noise, strange odour, or smoke is present, immediately disconnect all power sources. Please report the problem to your device provider immediately.



Charging status LEDs

Clear at-a-glance visual of charging status via individual LEDs.

Blue - fully charged battery

Orange - charging battery

INCLUDED IN THE KIT



AC-DC power adaptor with power cord

PRODUCT CLEANING AND USE OF

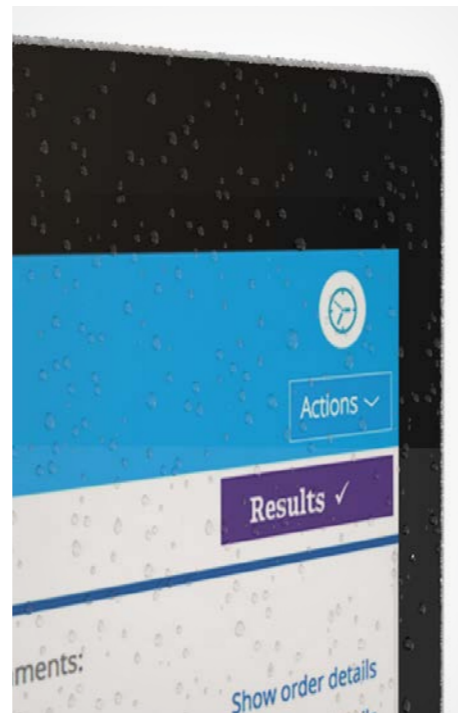
INDUSTRY CHEMICALS

Cleaning the Freeway Med-Tech Medical Grade AIO Monitor PCs for better infection control

Step 1. Freeway Med-Tech recommend the use of healthcare disposable alcohol based anti-bacterial wipes only on the electrical equipment (approx. 70% alcohol) – such as commonly used Clinell Green Wipes.

Step 2. It is recommended wiping from the front of the screen first in a top to bottom motion and then finish across the bottom (the front panel is IP65 Rated). This methodology is designed to minimise the amount of streaking on the screen and reduce excess moisture collecting on the lower front screen bezel, reducing the risk of moisture entering via the lower I/O, remembering to clean the lower OSD keys in the lower right hand corner. After the front Screen has been cleaned, dispose of this wipe.

Step 3. With a fresh Wipe, clean the rear of the AIO PC (the rear panel is IPX2 rated). To clean the screen of AIO PC for general house keeping - use either a microfibre cloth with an alcohol based cleaning spray (approx. 70% alcohol) or disposable alcohol based cloth.



All monitor/AIO front panels are IP65 Rated

Suitable Cleaning Chemicals

Given the vast range of cleaning products on the market, it is not possible to list all acceptable brands. We can however, confirm that our products are compatible with cleaning products containing the following chemicals or are from popular cleaning brands. Should you require confirmation of suitable products that are not listed, please contact us with the relevant product data sheet and we will confirm suitability with our in-house specialist.

Cleaner	Brand
Viraguard®	Veridien
Sani-Cloth® HB	PDI
Sani-Cloth® PLUS	PDI
Super Sani-Cloth®	PDI
CaviWipes™	Metrex
Super HDQ® L 10	Spartan
Cloro-Wipe Towelette	Surgipath
Healthcare Hydrogen Peroxide Wipes	Clorox Healthcare®
Virex®	Johnson
70% Isopropyl Alcohol	Multiple suppliers
Alcohol Prep Pads	PDI, others

Suitable generic chemicals:

- Alcohol (Ethyl or Isopropyl) Solutions*
- Alcohol Wipes (Ethyl or Isopropyl)*
- Hydrogen Peroxide Solutions*

Cleaning procedure for nylon modified polyester coated surfaces:

- Painted surfaces should be cleaned using a soft damp non abrasive cloth and polished dry
- Continual exposure to wet conditions is likely to result in rusting/or the paint lifting.
ALWAYS DRY THE SURFACE AFTER CLEANING
- Continual use of cleaning products may result in a dulling of the surface.
- DO NOT use solvents, bleach, abrasives, synthetic detergents, wax polishes or aerosol sprays unless otherwise listed in the above list.



*Solutions must ALWAYS be diluted in accordance the with manufacturer's instructions for use on medical products/furniture.

*The application of the cleaning solution MUST be in accordance the with manufacturer's instructions for use on medical products/furniture.

**MEDICAL GRADE
AIO PCs & MONITORS**
PLUS ACCESSORIES

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