FREEWAY Med-Tech

MEDICAL GRADE AIO PCs & MONITORS

PLUS ACCESSORIES

EDITION 3.1

FREEWAYMEDTECH.COM

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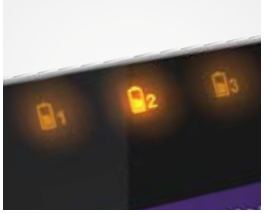
Mains-powered touch screen AIO Monitor/PC in 2 sizes.

NEW SIZES

NHS Supply Chain

All products available on NHS Supply Chain via eDirect.



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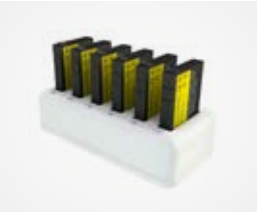
Product cleaning and chemical guide

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

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 SDs.

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

in our Medical Grade AIO PCs as STANDARD equipment.

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.

Windows 11
FREEWAY
Med-Tech

FREEWAY Med-Tech

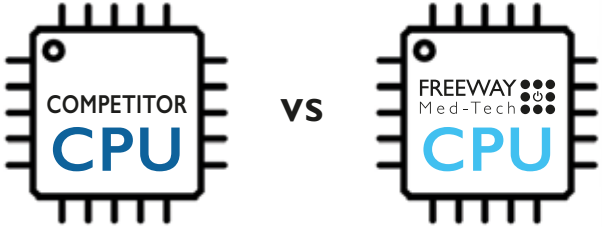
MEDICAL AIO

BATTERY POWERED / 24IN

Freeway Med-Tech's battery powered AIOs use desktop-class processors.

Not all i5 CPUs are equal!

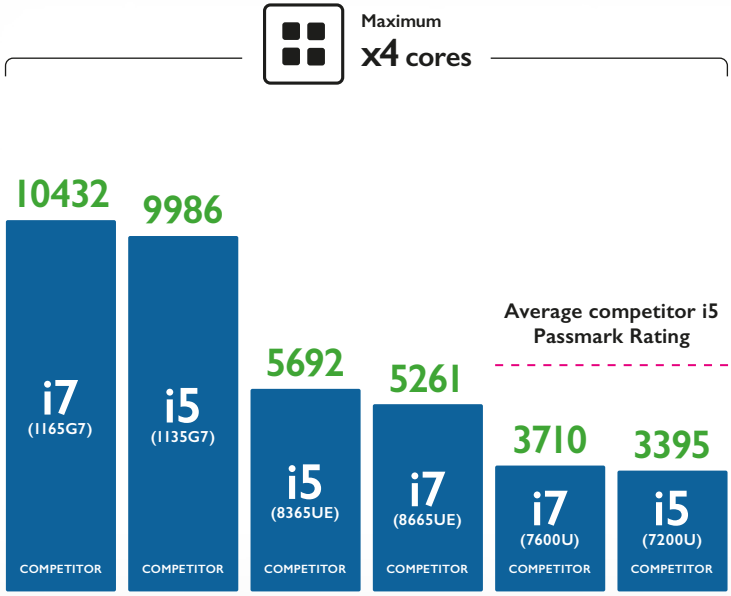
Check out the comparisons opposite...

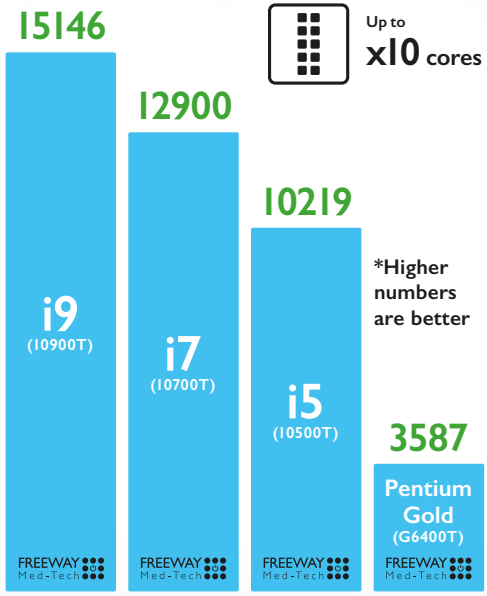


Graph Performance Key >
Taller bars and higher numbers in the graphs indicate better performance. For example, a score of 10000 shows a CPU is twice as powerful as one rated at 5000.

Comparisons shown opposite, use the popular **Passmark Rating** generated via the website **www.cpubenchmark.net**

Our competitors' CPU Passmark Rating* VS the Freeway Med-Tech AIO processor family





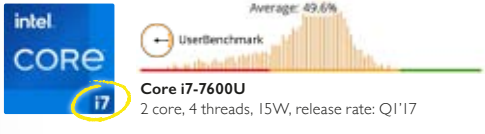
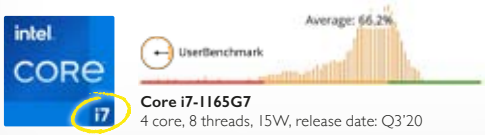
All CPU references are correct at the time of publishing.

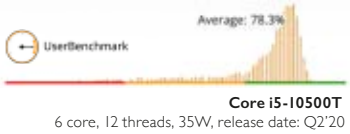
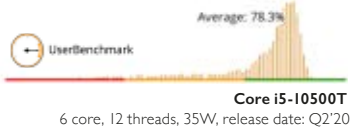
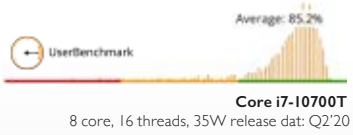
Put simply, we knock the socks off our rivals' AIO processors!

NHS Trust's save £1000's by purchasing our i5 AIO for an entire fleet of workstations, when compared with purchasing a competitors' i7 model. AND, not only is there a huge cost saving, the performance would be better too! What's not to like?

See yet more performance comparisons opposite...

Comparisons shown, use the popular **User Benchmark** scores generated via the website **cpu.userbenchmark.com**

COMPETITORS		FREEWAY Med-Tech
Core i5-7200U 2 core, 4 threads, 15W, release rate: Q3'16	45.4% Rank: 877 (of 1400)	vs
 **Core i7-7600U** 2 core, 4 threads, 15W, release rate: Q1'17	49.6% Rank: 761 (of 1400)	vs
 **Core i7-1165G7** 4 core, 8 threads, 15W, release date: Q3'20	66.2% Rank: 430 (of 1400)	vs

FREEWAY Med-Tech	
78.3% Rank: 218 (of 1400) 1st	 **Core i5-10500T** 6 core, 12 threads, 35W, release date: Q2'20
78.3% Rank: 218 (of 1400) 1st	 **Core i5-10500T** 6 core, 12 threads, 35W, release date: Q2'20
85.2% Rank: 147 (of 1400) 1st	 **Core i7-10700T** 8 core, 16 threads, 35W release dat: Q2'20

All CPU references are correct at the time of publishing.

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

NHS Supply Chain

intel

24/7

NON-STOP HOT-SWAPPABLE POWER

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 = **564.4mm** Depth = **41.2mm**

PRODUCT ELEVATIONS

Front

Side

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
- Runs Microsoft® Windows® / Linux / Igel
- 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*

STATE-OF-THE-ART TOUCH SCREEN

10-point multi touch capacitive type screens as standard!

CHARGER DOCK *(available separately)*

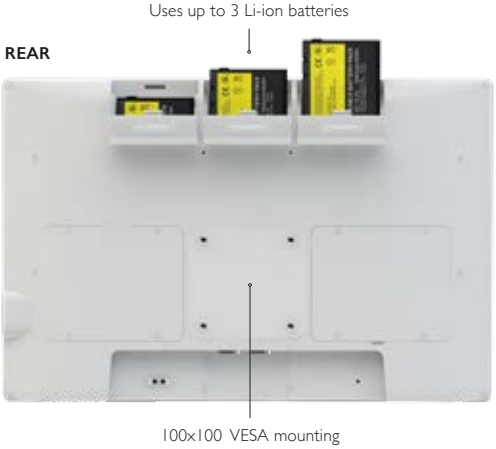
(p.82/3)

Charge up to 6 Li-ion battery packs simultaneously!

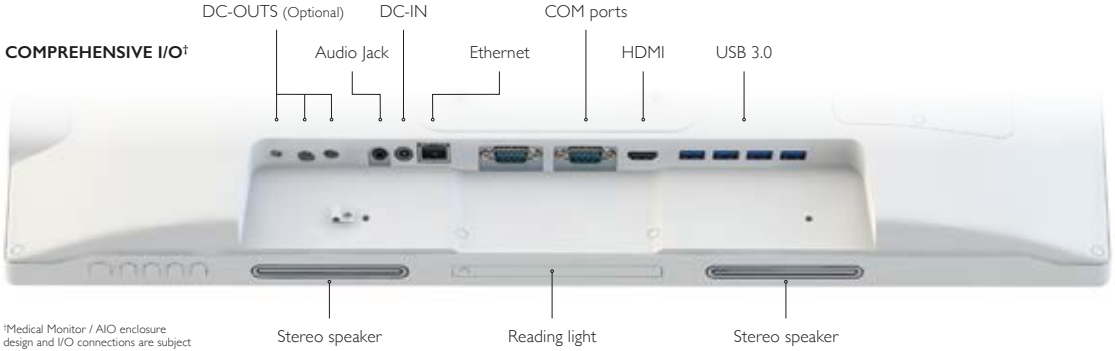
FREEWAY Med-Tech

FRONT

REAR



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.

IP65 IPX2

Water resistant enclosures

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

*See pages 194/5 for detailed information on cleaning chemicals and procedures.

intel

Choice of processor

Modern Intel® Core-i5/7/9 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 OS

IoT Enterprise version available for pre-install with or without license.

Linux/Igel operating systems can also be installed.

Industry standard OS for medical software and systems.

FREEWAY Med-Tech

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®/Linux/Igel - specify pre-install if required
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)	370.9 x 564.4 x 41.2mm
Weight	7.4kg (without battery) - 8.8kg (with 3 batteries)
VESA-compliant mounting	100mm × 100mm VESA standard
Water Resistance	Front panel: IP65; Enclosure: IPX2
Regulatory	ANSI/AAMI ES60601-1, IEC60601-1, 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

Intel® WiFi Series 6 Module as standard ✔

Optional Imprivata certified RFID reader ✔

Optional HID® Smart Card Reader ✔

Faster processors than our competitors!

Our Intel® Core i5 CPU is effectively 30% faster in real-world benchmark tests.

*Shorter bars are better

Our Competitors' i5 CPU

Freeway Med-Tech's i5 CPU ✔

MT500-24T ACCESSORIES *(available separately)*

MT202 Li-ion battery pack

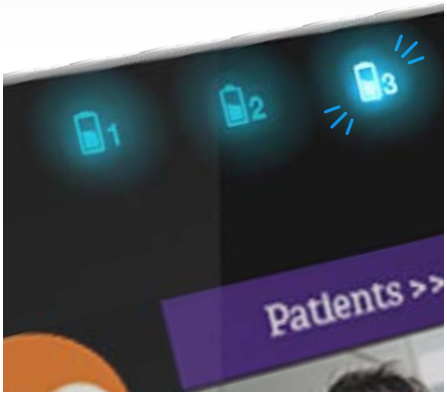
MT202 6-gang battery charger

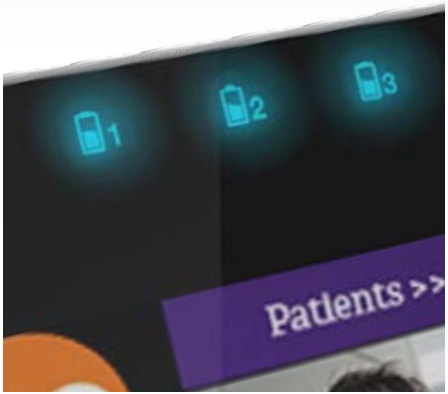
Battery status. Constantly visible.

The Freeway Med-Tech MT500-24T (AIO) 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.

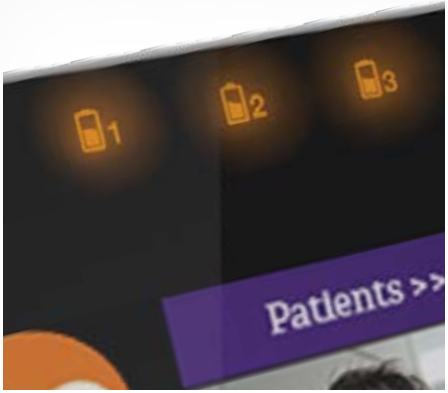


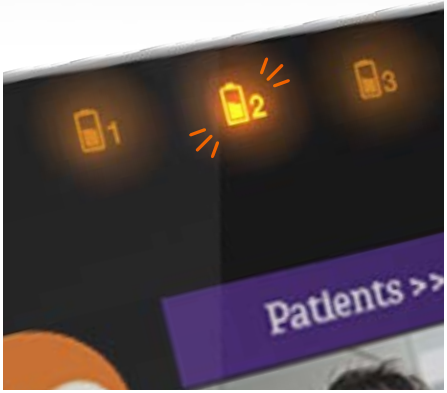


So, what do the battery status LEDs mean?

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.





The on-screen menu

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 the iWOW into a mains socket (if applicable).

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

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 pre-installed with an OS ready to enter your license details.

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	Specify when ordering	256GB	8GB	12 months	60 months
MT500-24T-584TP0-X-595	Specify when ordering	256GB	16GB	12 months	60 months
MT500-24T-584TP0-X-5A5	Specify when ordering	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.

FREEWAY Med-Tech

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 pre-installed with an OS ready to enter your license details.

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	Specify when ordering	256GB	8GB	12 months	60 months
MT500-24T-584T50-X-595	Specify when ordering	256GB	16GB	12 months	60 months
MT500-24T-584T50-X-5A5	Specify when ordering	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.

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 pre-installed with an OS ready to enter your license details.

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	Specify when ordering	256GB	8GB	12 months	60 months
MT500-24T-584T70-X-595	Specify when ordering	256GB	16GB	12 months	60 months
MT500-24T-584T70-X-5A5	Specify when ordering	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.

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 pre-installed with an OS ready to enter your license details.

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	Specify when ordering	256GB	8GB	12 months	60 months
MT500-24T-584T90-X-595	Specify when ordering	256GB	16GB	12 months	60 months
MT500-24T-584T90-X-5A5	Specify when ordering	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.

Windows 11
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MEDICAL AIO

BATTERY POWERED / 22IN

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

NHS Supply Chain

intel

24/7

NON-STOP HOT-SWAPPABLE POWER

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

Side

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
- Runs Microsoft® Windows® / Linux / Igel
- DC outputs can power PC peripherals and other medical equipment
- High contrast 22" capacitive-type touch screen
- Slim fanless design
- UL60601 certified with anti-microbial enclosure
- Withstands common medical environment cleaning chemicals*

STATE-OF-THE-ART TOUCH SCREEN

10-point multi touch capacitive type screens as standard!

CHARGER DOCK *(available separately)*

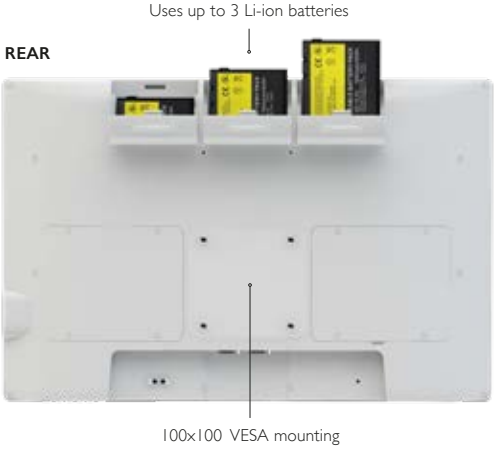
(p.82/3)

Charge up to 6 Li-ion battery packs simultaneously!

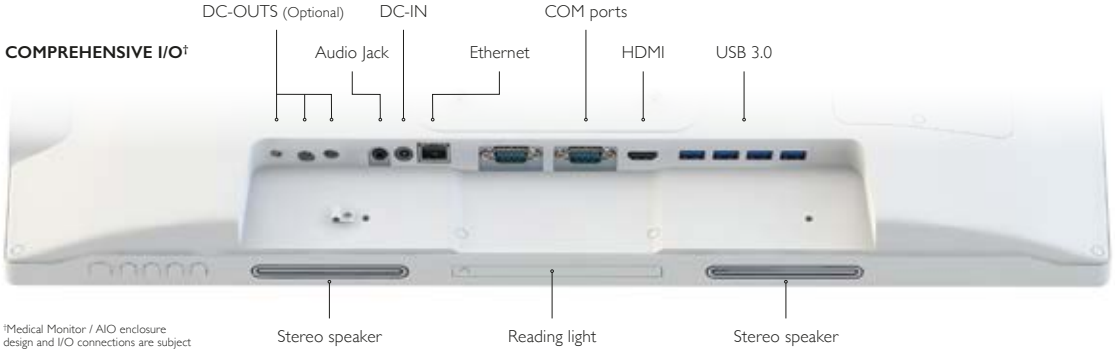
FREEWAY Med-Tech

FRONT

REAR



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.

IP65 IPX2

Water resistant enclosures

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

*See pages 194/5 for detailed information on cleaning chemicals and procedures.

intel

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 OS

IoT Enterprise version available for pre-install with or without license.

Linux/Igel operating systems can also be installed.

Industry standard OS for medical software and systems.

FREEWAY Med-Tech

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®/Linux/Igel - specify pre-install if required
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)	345.9 x 516.9 x 40.4mm
Weight	7.3kg (without battery) - 8.7kg (with 3 batteries)
VESA-compliant mounting	100mm × 100mm VESA standard
Water Resistance	Front panel: IP65; Enclosure: IPX2
Regulatory	ANSI/AAMI ES60601-1, IEC60601-1, 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

Intel® WiFi Series 6 Module as standard ✔

Optional Imprivata certified RFID reader ✔

Optional HID® Smart Card Reader ✔

Faster processors than our competitors!

Our Intel® Core i5 CPU is effectively 30% faster in real-world benchmark tests.

*Shorter bars are better

Our Competitors' i5 CPU

Freeway Med-Tech's i5 CPU ✔

MT500-22T ACCESSORIES *(available separately)*

MT202 Li-ion battery pack

MT202 6-gang battery charger

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 pre-installed with an OS ready to enter your license details.

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	Specify when ordering	256GB	8GB	12 months	60 months
MT500-22T-582TP0-X-595	Specify when ordering	256GB	16GB	12 months	60 months
MT500-22T-582TP0-X-5A5	Specify when ordering	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.

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 pre-installed with an OS ready to enter your license details.

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	Specify when ordering	256GB	8GB	12 months	60 months
MT500-22T-582T50-X-595	Specify when ordering	256GB	16GB	12 months	60 months
MT500-22T-582T50-X-5A5	Specify when ordering	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.

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 pre-installed with an OS ready to enter your license details.

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	Specify when ordering	256GB	8GB	12 months	60 months
MT500-22T-582T70-X-595	Specify when ordering	256GB	16GB	12 months	60 months
MT500-22T-582T70-X-5A5	Specify when ordering	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.

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 pre-installed with an OS ready to enter your license details.

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	Specify when ordering	256GB	8GB	12 months	60 months
MT500-22T-582T90-X-595	Specify when ordering	256GB	16GB	12 months	60 months
MT500-22T-582T90-X-5A5	Specify when ordering	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.

Windows 11
FREEWAY
Med-Tech

FREEWAY Med-Tech

MEDICAL AIO

MAINS POWERED / 24IN

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

NHS Supply Chain

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 = **370.9mm** Width = **564.4mm** Depth = **41.2mm**

PRODUCT ELEVATIONS

Front

Side

KEY FEATURES

- Intel Core-i5/7/9 processors
- Runs Microsoft® Windows® / Linux / Igel
- High contrast 24" capacitive-type touch screen
- Slim fanless design
- UL60601 certified with anti-microbial enclosure
- Withstands common medical environment cleaning chemicals*

STATE-OF-THE-ART TOUCH SCREEN

10-point multi touch capacitive type screens as standard!

MAINS POWERED *(iWOW required to be plugged-in)*

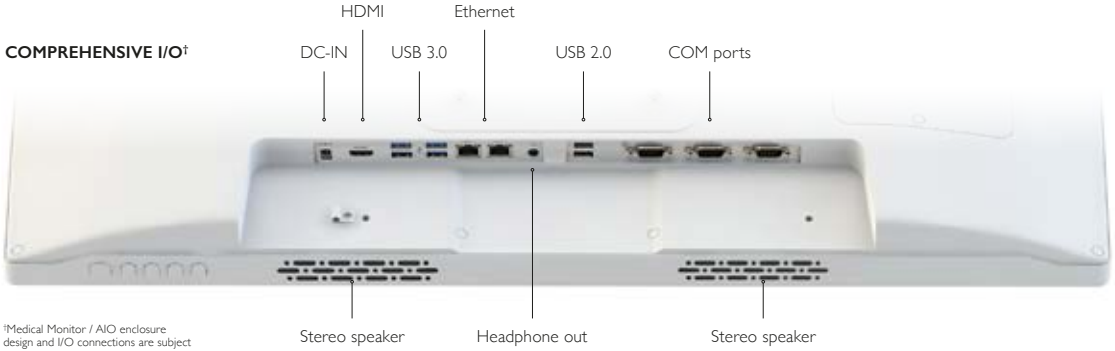
FREEWAY Med-Tech

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.

IP65 IPX2

Water resistant enclosures

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

*See pages 194/5 for detailed information on cleaning chemicals and procedures.

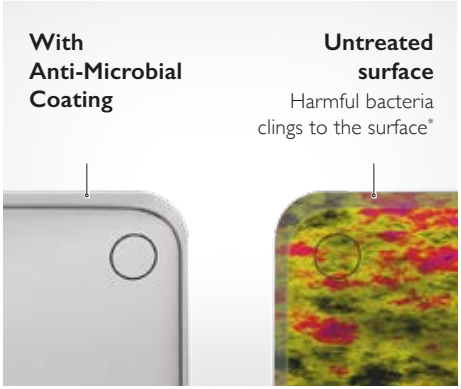
intel

Choice of processor

Modern Intel Core-i5/7/9 range of processors to choose from.

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

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

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

Windows OS

IoT Enterprise version available for pre-install with or without license.

Linux/Igel operating systems can also be installed.

Industry standard OS for medical software and systems.

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

FREEWAY Med-Tech

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®/Linux/Igel - specify pre-install if required
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
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)	370.9 x 564.4 x 41.2mm
Weight	8kg
VESA-compliant mounting	100mm × 100mm VESA standard
Water Resistance	Front panel: IP65; Enclosure: IPX2
Regulatory	ANSI/AAMI ES60601-1, IEC60601-1, 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 ✔

Faster processors than our competitors!

Our Intel® Core i5 CPU is effectively 30% faster in real-world benchmark tests.

*Shorter bars are better

Our Competitors' i5 CPU

Freeway Med-Tech's i5 CPU ✔

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 pre-installed with an OS ready to enter your license details.

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	Specify when ordering	256GB	8GB	12 months	60 months
MT400-24T-504TP-X-C595	Specify when ordering	256GB	16GB	12 months	60 months
MT400-24T-504TP-X-C5A5	Specify when ordering	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.

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 pre-installed with an OS ready to enter your license details.

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	Specify when ordering	256GB	8GB	12 months	60 months
MT400-24T-504T5-X-C595	Specify when ordering	256GB	16GB	12 months	60 months
MT400-24T-504T5-X-C5A5	Specify when ordering	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.

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 pre-installed with an OS ready to enter your license details.

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	Specify when ordering	256GB	8GB	12 months	60 months
MT400-24T-504T7-X-C595	Specify when ordering	256GB	16GB	12 months	60 months
MT400-24T-504T7-X-C5A5	Specify when ordering	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.

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 pre-installed with an OS ready to enter your license details.

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	Specify when ordering	256GB	8GB	12 months	60 months
MT400-24T-504T9-X-C595	Specify when ordering	256GB	16GB	12 months	60 months
MT400-24T-504T9-X-C5A5	Specify when ordering	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.

Windows 11
FREEWAY
Med-Tech

FREEWAY Med-Tech

MEDICAL AIO

MAINS POWERED / 27IN

MT400-27T - AIO MAINS POWERED 27IN MEDICAL PC

NHS Supply Chain

PRODUCT CODE

MT400-27T Mains powered 27in AIO touch screen medical grade PC

The Freeway Med-Tech MT400-27T 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 = **411.8mm** Width = **639.1mm** Depth = **45mm**

PRODUCT ELEVATIONS

Front

Side

KEY FEATURES

- Intel Core-i5/7/9 processors
- Runs Microsoft® Windows® / Linux / Igel
- High contrast 27" capacitive-type touch screen
- Slim fanless design
- UL60601 certified with anti-microbial enclosure
- Withstands common medical environment cleaning chemicals*

STATE-OF-THE-ART TOUCH SCREEN

10-point multi touch capacitive type screens as standard!

MAINS POWERED *(iWOW required to be plugged-in)*

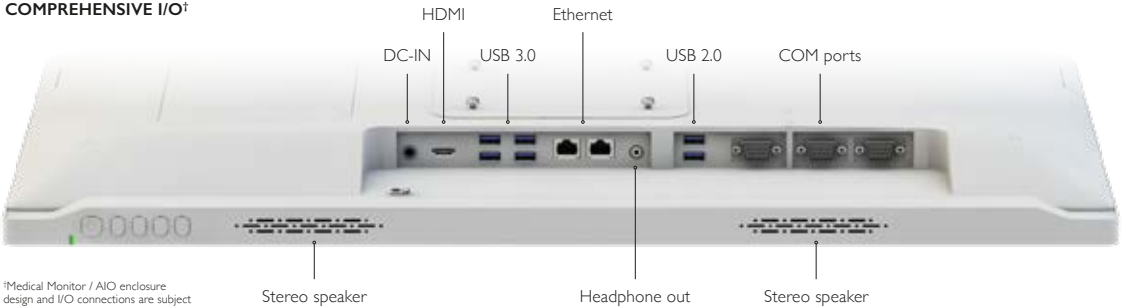
FREEWAY Med-Tech

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.

IP65 IPX2

Water resistant enclosures

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

*See pages 194/5 for detailed information on cleaning chemicals and procedures.

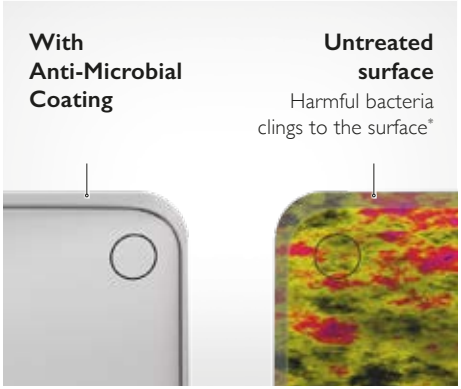
intel

Choice of processor

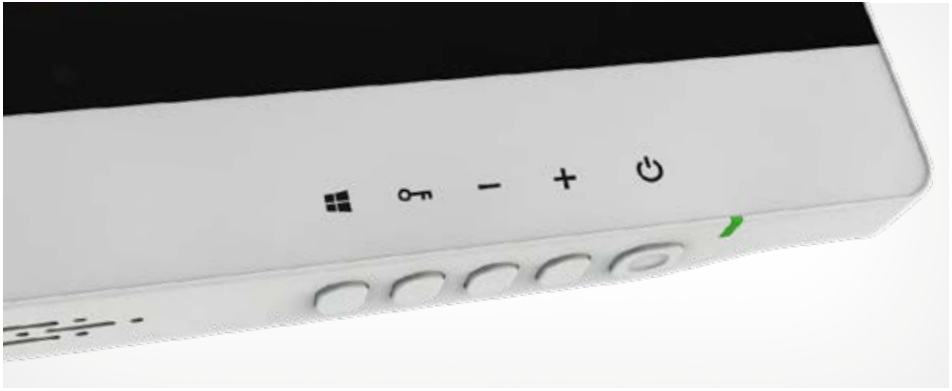
Modern Intel Core-i5/7/9 range of processors to choose from.

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

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

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

Windows OS

IoT Enterprise version available for pre-install with or without license.

Linux/Igel operating systems can also be installed.

Industry standard OS for medical software and systems.

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

FREEWAY Med-Tech

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®/Linux/Igel - specify pre-install if required
Display	27in capacitive touch screen
Display resolution	1920x1080 (optional 3840x2160)
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
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)	411.8 x 639.1 x 45mm
Weight	10.5kg
VESA-compliant mounting	100mm × 100mm VESA standard
Water Resistance	Front panel: IP65; Enclosure: IPX2
Regulatory	ANSI/AAMI ES60601-1, IEC60601-1, 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 ✔

Faster processors than our competitors!

Our Intel® Core i5 CPU is effectively 30% faster in real-world benchmark tests.

*Shorter bars are better

Our Competitors' i5 CPU

Freeway Med-Tech's i5 CPU ✔

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 pre-installed with an OS ready to enter your license details.

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.

MT400-27T with Intel® Pentium™ CPU

27in 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*
MT400-27T-507TP-X-C495	Specify when ordering	256GB	8GB	12 months	60 months
MT400-27T-507TP-X-C595	Specify when ordering	256GB	16GB	12 months	60 months
MT400-27T-507TP-X-C5A5	Specify when ordering	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.

FREEWAY Med-Tech

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 pre-installed with an OS ready to enter your license details.

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.

MT400-27T with Intel® i5 Core™ CPU

27in 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*
MT400-27T-507T5-X-C495	Specify when ordering	256GB	8GB	12 months	60 months
MT400-27T-507T5-X-C595	Specify when ordering	256GB	16GB	12 months	60 months
MT400-27T-507T5-X-C5A5	Specify when ordering	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.

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 pre-installed with an OS ready to enter your license details.

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.

MT400-27T with Intel® i7 Core™ CPU

27in 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*
MT400-27T-507T7-X-C495	Specify when ordering	256GB	8GB	12 months	60 months
MT400-27T-507T7-X-C595	Specify when ordering	256GB	16GB	12 months	60 months
MT400-27T-507T7-X-C5A5	Specify when ordering	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.

FREEWAY Med-Tech

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 pre-installed with an OS ready to enter your license details.

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.

MT400-27T with Intel® i9 Core™ CPU

27in 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*
MT400-27T-507T9-X-C495	Specify when ordering	256GB	8GB	12 months	60 months
MT400-27T-507T9-X-C595	Specify when ordering	256GB	16GB	12 months	60 months
MT400-27T-507T9-X-C5A5	Specify when ordering	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.

*PC not included

FREEWAY
Med-Tech

MEDICAL MONITOR

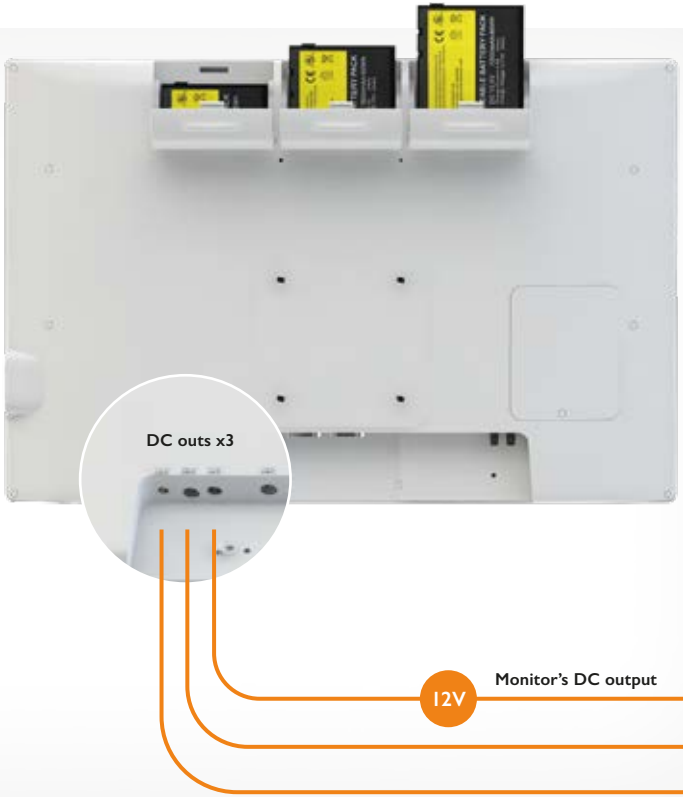
BATTERY POWERED / 24IN

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, 15 & 19V DC outputs.



FREEWAY Med-Tech

ZEBRA

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.

DELL hp Lenovo

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! Popular Dell, HP and Lenovo DC-in voltages supported.

PHILIPS WelchAllyn

Medical monitors

The 15V output from the MT700-24T can also power important pieces of equipment like these Vital Signs Monitors.

19V **Monitor's DC output**

15V **Monitor's DC output**

£ £ £

Savings over it's 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!

Initial MT700 purchase

Year 0

*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

Year 2-3 | **Year 4-5** | **Years 6+**

Example MT700-24T product lifecycle

MT700-24T - BATTERY POWERED 24IN MEDICAL MONITOR

NHS Supply Chain

NON-STOP HOT-SWAPPABLE POWER

PRODUCT CODE

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

The Freeway Med-Tech MT700-24T Battery Powered Monitor offers truely 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

Side

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
- High contrast 24" capacitive-type touch screen
- Slim fanless design
- UL60601 certified with anti-microbial enclosure
- Withstands common medical environment cleaning chemicals*

STATE-OF-THE-ART TOUCH SCREEN

10-point multi touch capacitive type screens as standard!

CHARGER DOCK *(available separately)*

(p.82/3)

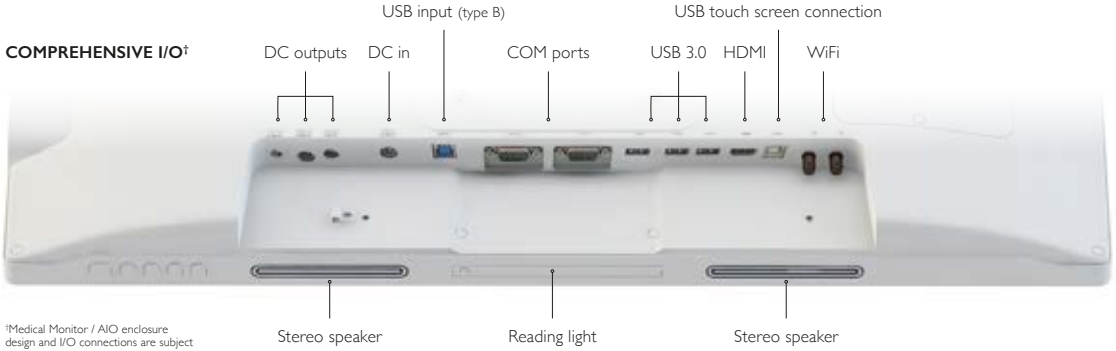
Charge up to 6 Li-ion battery packs simultaneously!

FREEWAY Med-Tech

FRONT

REAR

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.

IP65
IPX2

Water resistant enclosures

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

*See pages 194/5 for detailed information on cleaning chemicals and procedures.

£ £ £ £

Cost effective upgrades

Separate PC allows for easy future IT upgrades.

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 PC!

Moisture resistant medical-grade front panel

Anti-microbial enclosure resists bacteria transmission

*For illustrave purposesonly. Bacteria cannot be seen with the naked eye.

FREEWAY Med-Tech

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 564.4 x 41.2 mm
Weight	6.5kg (without batteries); 7.8kg (with 3 batteries)
VESA-compliant mounting	100mm × 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/RFID 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

*PC not included

FREEWAY Med-Tech

MEDICAL MONITOR

MAINS POWERED / 24IN

MT600-24T - MAINS POWERED 24IN MEDICAL MONITOR

NHS Supply Chain

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 = **370.9mm** Width = **564.4mm** Depth = **41.2mm**

PRODUCT ELEVATIONS

Front

Side

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

STATE-OF-THE-ART TOUCH SCREEN

10-point multi touch capacitive type screens as standard!

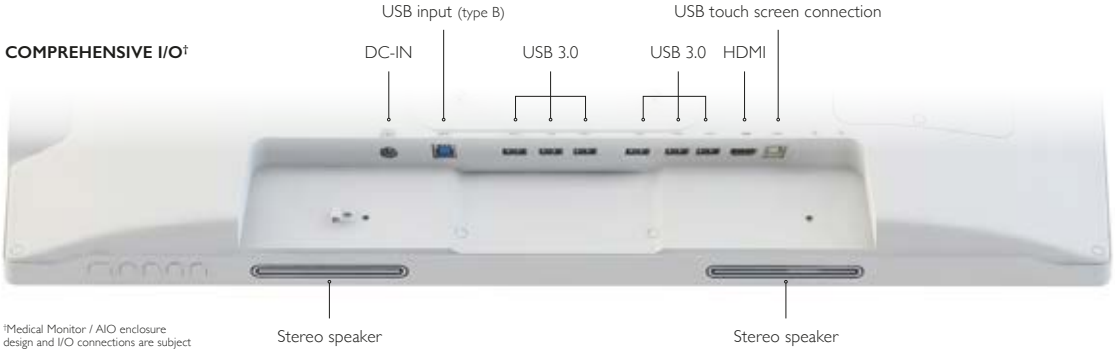
MAINS POWERED *(iWOW required to be plugged-in)*

FREEWAY Med-Tech

FRONT

REAR

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.

IP65
IPX2

Water resistant enclosures

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

*See pages 194/5 for detailed information on cleaning chemicals and procedures.

£ £ £ £

Cost effective upgrades

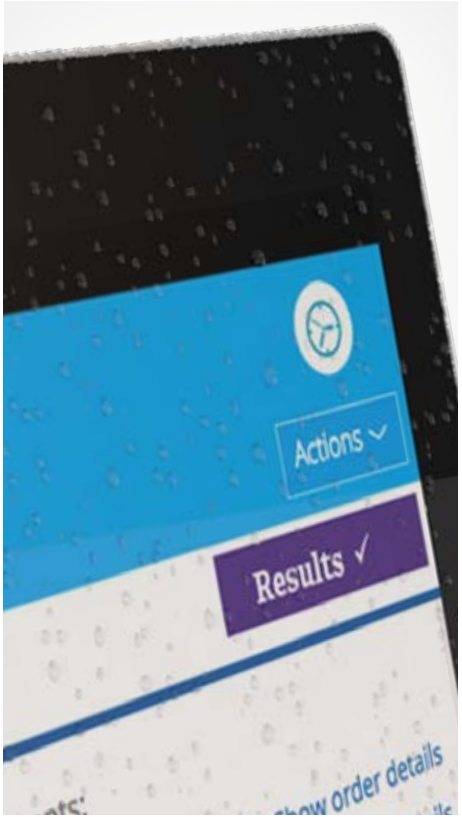
Separate PC allows for easy future IT upgrades.

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

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

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 (3.0) 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 × 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

RECHARGEABLE BATTERY PACK
DC 10.8V 7800mAh/84Wh

FREEWAY Med-Tech

ACCESSORIES

BATTERY PACKS / 6-BAY CHARGER

MT202 - LITHIUM-ION BATTERY PACK

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 Side

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

RELATED ACCESSORIES *(available separately)*

MT202
6-gang
battery
charger

RELATED PRODUCTS

MT500-24T/22T

MT700-24T

FREEWAY Med-Tech

TECHNICAL SPECIFICATIONS

Item	General Parameter	Remark
Description	Freeway Med-Tech Li-ion rechargeable battery MT202 DC10.9V 7800mAh - 85Wh	3S3P 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.

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 directon 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

RELATED PRODUCTS *(available separately)*

MT202

MT500-24T/22T

MT700-24T

FREEWAY Med-Tech

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.

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

Individual charging status LEDs

INCLUDED IN THE KIT

AC-DC
power adaptor
with power cord

PRODUCT CLEANING AND USE OF

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 minimises 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

INDUSTRY CHEMICALS

FREEWAY Med-Tech

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.

FREEWAY Med-Tech

MEDICAL GRADE
AIO PCs & MONITORS
PLUS ACCESSORIES

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