← X-RAY & IMAGING
← PATHOLOGY
→ EMERGENCY
→ WAY OUT

FREEWAY
Med-Tech

INTELLIGENT WORKSTATION ON WHEELS

iWOW® DUO & ACCESSORIES

EDITION 1.0

iWOW

Purchase now on NHS
Supply Chain via eDirect!

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FREEWAYMEDTECH.COM

CONTENTS

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All products available on NHS Supply Chain via eDirect.

WHY BUY FREEWAY?   BECAUSE ALL OF

THESE FEATURES ARE STANDARD!

Monitor powers a tablet PC!

Mobile power + DC out

Our powered monitor and AIO feature DC power out which means they can run a tablet PC or peripherals and stay mobile for an entire shift.

An ultra smooth ride

Large triple bearing castors provide effortless manouverability and the super soft tyres grip the floor in all conditions. Easy-use foot brakes ensure the iWOW® stays where it was put.

Digital electric lift

All height adjustable models have an electric lift option which is programmable for different user heights and features a digital display showing the exact height of the worktop to the floor.

Clever storage options

The generic metal drawer with clear tray inset offers great re-stocking and cleaning opportunities by nature of the tray being easily removed. For organisation, a set of sliding divider trays hang at the top of the tray.

Concealed cables

Safety and cleaning are improved by having all loose cabling routed through the IT Monitor Pole from monitor to PC and vice versa. Mouse and keyboard cables also enter the pole via their own dedicated cutout.

Customisable

A service which is quite unique to Freeway, is customisation. We endeavour to deliver products that satisfy the customer's needs, even if that includes fabricating bespoke components and solutions.

iWOW® DUO

ELECTRIC LIFT

A dual-use mobile workstation offering the flexibility of a removable tablet PC that can be docked into the iWOW® Duo whilst powered up and in use, enabling the user to continue working using the main monitor, keyboard and mouse.

Programmable electric lift and a lockable tablet housing is standard equipment on the iWOW® Duo.

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WORKTOP
760-1260
HEIGHT

PULL-OUT
KEYBOARD
SHELF

LOCKABLE
DOCKING
CLAMP

POD/BASE COLOURS *(included in price)*

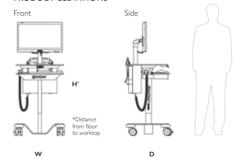| Blue	Purple	Pink	Red	Orange	Yellow	Green	White

The iWOW® Duo is our latest model in the range and really does offer flexible mobile computing. It's powerful removable tablet PC which runs a full enterprise version of Windows®10, enables the user to take work away whilst on breaks and return and continue without interuption. The tablet can be left on the cart without fear of it going missing due to the lockable clamp housing. Also featuring the popular pull-out negative tilt keyboard shelf. All other components share the same high quality and durability as our other iWOW® models in the range.

DIMENSIONS

Height = **760-1260mm*** Width = **600mm** Depth = **620mm**

PRODUCT ELEVATIONS

Front   Side

H*

*Distance
from floor
to worktop

W   D

ANTI-TILT BASE & PREMIUM CASTORS

Low centre of gravity base and long-life triple bearing castors

iWOW-DUO *by* FREEWAY Med-Tech

Experience zero screen downtime when docking the tablet!

As the tablet is docked into the Duo's security clamp, the tablet's screen is immediately switched off and the cart's main 24in medical monitor becomes live. This hot-swappable process means whatever application you were using on the tablet, stays open and is shown on the main monitor without delay.

Tablet docked: main screen switches on.

Undocking the tablet instantly restores power to the screen and switches off the main screen.

BATTERY POWER MONITOR INCLUDED

MT700-24T

Medical Monitor
MT700-24T

(p.10-21)

TABLET & ACCESSORIES INFO

See pages 22-33
For detailed information on the MT300 Tablet and available accessories.

DURABLE WORKSURFACES

Durable Trespa® with integrated handles

LOCKABLE TABLET CLAMP

A key operated lock on the tablet dock offers enhanced security from theft.

DIGITAL ELECTRIC LIFT *(as standard)*

119

Standard equipment on iWOW® Duo, all height adjustment is handled by a programmable electric lever.

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Powers a tablet

MEDICAL MONITOR

BATTERY POWERED / 24IN

24in

FREEWAY
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The Freeway Med-Tech battery powered monitor will power a tablet 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.

DC outs x3

12V Monitor's DC output

19V Monitor's DC output

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.

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

But there's more....

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

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

CPU

MAX SPEED   100% PROCESSING POWER

£££

Savings over it's lifetime >
See overleaf why the MT700 Monitor is so economical to own over the long run.

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

£££

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.

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

Replace inexpensive battery packs
£

Year 2-3

Update separate PC hardware

Year 4-5

Continue to operate the MT700 Monitor

Years 6+

Example MT700-24T product lifecycle

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

NHS
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24/7

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.38/9)

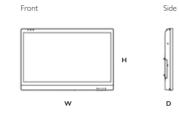Charge up to 6 Li-ion battery packs simultaneously!

PRODUCT CODE

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

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

W   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*

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FRONT

TOUCH SCREEN

REAR
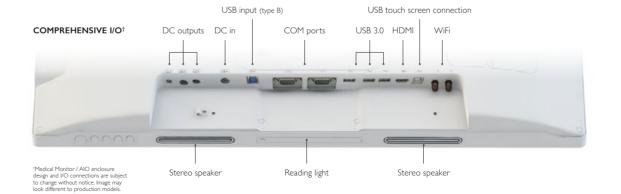
Uses up to 3 Li-ion batteries

100x100 VESA mounting

COMPREHENSIVE I/O†

USB input (type B)   USB touch screen connection

DC outputs   DC in   COM ports   USB 3.0 HDMI   WiFi

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

Stereo speaker   Reading light   Stereo speaker

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 54/55 for detailed information on cleaning chemicals and procedures.

£££££

Cost effective upgrades
Separate PC allows for easy future IT upgrades.

CPU 100%

Monitor powers a PC!
DC-out will power a tablet PC at full processor speed!

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

Li-ion

DC-out

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

Moisture resistant medical-grade front panel

With Anti-Microbial Coating

Untreated surface
Harmful bacteria clings to the surface*

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
Reading Light	LED reading light × 1
Speaker	Built-in speakers
Microphone	Built-in microphones
I/O Ports	
USB Port	USB 3.0 × 6
USB Port for Touch Screen Connection	USB Type-B (2.0) × 1
USB Input Port	USB Type-B (2.0) × 1
HDMI	1
Antenna	Wi-Fi passthrough × 2
DC-in	1
DC-out	12V × 1, 15V × 1, 19V × 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 × 3 (optional)
Enclosure	ABS + PC plastics, anti-microbial enclosure
Dimensions (H × W × D)	370.9 × 564.4 × 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

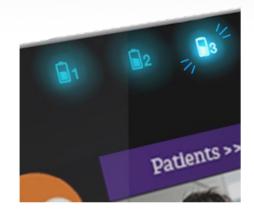MT202 6-gang battery charger

FREEWAY
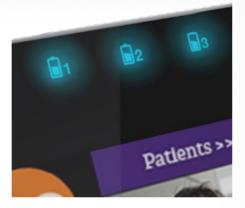Med-Tech

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.

Battery status lights are situated here

The on-screen menu

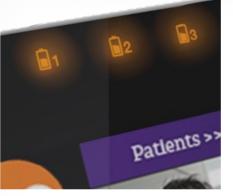# So, what do the battery status LEDs mean?
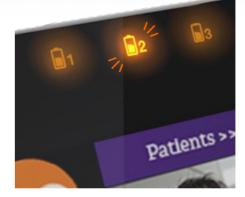
A blinking blue indicator...
This means the corresponding battery is charging.

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 the iWOW into a mains socket (if applicable).

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

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MEDICAL TABLET

BATTERY POWERED / 13IN

13in

*Removable magnetic backlit
keyboard available separately.

intel

NON-STOP HOT-SWAPPABLE POWER

24/7

BACKLIT KEYBOARD *(available separately)*

(p.48/49)

DESKTOP CRADLE *(available separately)*

(p.50/51)

Dock the tablet to utilise full-size monitors and keyboards!
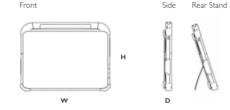

PRODUCT CODE
MT300-13T Rugged 2 in 1 Battery powered 13in medical tablet PC

The Freeway Med-Tech Medical Tablet features a brilliant 13.3" capacitive touch screen and a 11th generation Intel® Core™ i series processor within a slim, durable package. With built-in front/back cameras and Wi-Fi as well as optional barcode scanner, this robust tablet offers health professionals an effective tool to monitor, record and retrieve patient information.

DIMENSIONS
Height = **256mm**   Width = **335mm**   Depth = **21mm**

PRODUCT ELEVATIONS

Front   Side   Rear Stand

H

W   D

KEY FEATURES

- 13.3in Full HD LCD display with capacitive touch and support for optional digital pen
- 11th generation Intel® Core™ i series processors
- Windows® 10 IoT Enterprise operating system
- Built-in front and back cameras
- Optional built-in 2D barcode scanner
- High capacity hot-swappable battery pack
- Foldable tabletop stand and optional integrated handle
- UL60601 certified with anti-microbial enclosure
- Withstands common medical environment cleaning chemicals"

FRONT

REAR

Removable silicone hand strap (optional)

COMPREHENSIVE I/O†

Battery status

Audio/Mic port   USB 3.0 ×1

3 × user programmable buttons   HDMI   Ethernet

†Tablet enclosure design and I/O connections are subject to change without notice.

DC-in

Power button   USB 2.0 ×2

Front and back cameras
Full-HD front camera and 8 megapixel back camera!

Barcode scanning
Optional built-in 2D scanner available when ordering (also reads 1D).

Rugged protection
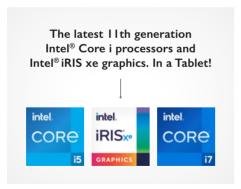Corner bumpers help eliminate unwanted accidental damage.

intel CORE i5 **intel CORE i7**

Powerful Intel® Core i
11th generation quad core i5 and i7 processor options in a tablet!

Handy stand enables laptop type use with removable keyboard

With Anti-Microbial Coating

Untreated surface
Harmful bacteria clings to the surface*

Anti-microbial enclosure resists bacteria transmission

The latest 11th generation Intel® Core i processors and Intel® iRIS xe graphics. In a Tablet!

A choice of Intel's latest 11th gen processing power.

User-programmable buttons
Quick one-touch operation - an example would be Privacy setup, where the screen could be immediately switched off via a single button press.

Physical buttons that are user-programmable for quick actions.

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

Also available without license.

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® CoreTM i5-1135G7, up to 4.2GHz - **4 core** / Intel® CoreTM i7-1165G7, up to 4.7GHz - **4 core**
RAM	8GB to 32GB
Storage	256Gb to 2TB Flash
Operating System	Microsoft® Windows® 10 IoT Enterprise or Ubuntu
Display	13.3in high brightness capacitive touch screen
Display resolution	1920x1080
Camera	Full-HD front camera and 8 megapixel back camera
Microphone and speaker	Built-in microphone and speaker
Network Interface	
WLAN	Wi-Fi 802.11ax, 2.4GHz/5GHz dual band
I/O Ports	
USB Ports	USB 3.0 x 1, USB 2.0 x 2
HDMI-out	1
Headset Jack	1 (3.5mm)
Ethernet	RJ45 connector for ethernet x 1
DC-in	1

Mechanical/Environmental	
Fan/Fanless	Fanless
AC/DC Adaptor	Input: 100 – 240V AC; Output: 19V DC, 3.42A
Battery Pack	Hot swappable battery, 5400mAh
Enclosure	ABS + PC plastics and magnesium-aluminum alloy; antimicrobial enclosure
Dimensions (H x W x D)	256 x 335 x 21 mm
Weight	1.8kg
Regulatory	FCC/IC, CE/CB, RCM, CCC, ANSI/AAMI ES60601-1
Major options	
Barcode Scanner	2D scanner, reads 1D also

MT300-13T ACCESSORIES *(available separately)*

Digital Pen

Soft silicone handstrap

Li-ion battery pack

6-gang battery charger

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IS IT REALLY A TABLET?

Time to re-think...

Most assume that a tablet is an add-on, an extra, but not a replacement for a laptop or desktop PC. Well, think again.

The MT300-I3T is as powerful as the latest laptops and when combined with the desktop cradle, a match for most standalone PCs!

- **Powerful 11th gen Intel® Core i processors**
- **The latest Intel® on-chip graphics - iRIS Xe**
- **Comprehensive I/O**
- **Runs as a dual or an extended screen setup when mounted in the optional desktop cradle**

The portability of a tablet, the power of the latest laptop technology!

A tablet which is as comfortable as a desktop PC

Benefit from a large screen and extended keyboard when utilising the tablet desktop cradle. It makes the hours typing up notes at the end of the day, an easy affair!

Optional
desktop cradle

*See pages 50/51 for more detailed information on the desktop tablet cradle.

EASY SCANNING

Barcode scanning direct from the tablet!

With the in-built 2D barcode scanner*, the workflow is streamlined by not needing a separate scanner peripheral.

Less cabling and equipment.
More speed and efficiency.

*Scanner must be specified at time of ordering the tablet.

Login as quick as paying for your morning coffee.

It's just a simple tap*

Clinicians simply tap their card or badge to the RFID reader and instantly gain access to the systems they need. The temptation for staff to have to write down sensitive passwords in order to remember them, is therefore removed by default.

imprivata® Certified reader ✔

*RFID card reader must be specified at time of ordering the tablet.

Choose your performance spec based around the powerful 11th generation Intel® i5 Core™ central processing unit.

Delivered ready to switch on, each Freeway Med-Tech Rugged 2-in-1 Tablet 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 24 months to 3 years in total from date of purchase.

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

MT300-13T with Intel® i5 Core™ CPU

13.3in Medical Grade Tablet Computer with capacitive touch LCD, Intel® 11th Gen i5 Core™ processor, medical grade AC/DC adapter.

Part Number	Operating System	Storage	RAM	Standard Warranty	Extended Warranty*
MT300-13T-313T-5X-**495**	Win 10 IoT Enterprise	256GB	8GB	12 months	36 months
MT300-13T-313T-5X-**595**	Win 10 IoT Enterprise	256GB	16GB	12 months	36 months
MT300-13T-313T-5X-**5A5**	Win 10 IoT Enterprise	512GB	16GB	12 months	36 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 24 month extension on top of the standard 12 months offered, to provide 36 months from date of first purchase.

Choose your performance spec based around the powerful 11th generation Intel® i7 Core™ central processing unit.

Delivered ready to switch on, each Freeway Med-Tech Rugged 2-in-1 Tablet 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 24 months to 3 years in total from date of purchase.

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

MT300-13T with Intel® i7 Core™ CPU

13.3in Medical Grade Tablet Computer with capacitive touch LCD, Intel® 11th Gen i7 Core™ processor, medical grade AC/DC adapter.

Part Number	Operating System	Storage	RAM	Standard Warranty	Extended Warranty*
MT300-13T-313T-7X-**495**	Win 10 IoT Enterprise	256GB	8GB	12 months	36 months
MT300-13T-313T-7X-**595**	Win 10 IoT Enterprise	256GB	16GB	12 months	36 months
MT300-13T-313T-7X-**5A5**	Win 10 IoT Enterprise	512GB	16GB	12 months	36 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 24 month extension on top of the standard 12 months offered, to provide 36 months from date of first purchase.

ACCESSORIES

BATTERIES / CHARGER
KEYBOARDS / MOUSE / TABLET CRADLE

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CAUTION!
Danger of explosion if battery is incorrectly replaced. Replace only
with the same or equivalent type recommended by the manufacturer.
Dispose of used batteries according to the manufacturer's instructions.

VORSICHT!
Explosionsgefahr bei unsachgemäßen Austausch der Batterie. Ersatz
nur durch denselben oder einem vom Hersteller empfohlenen ähnlichen
Typ. Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

LI-ION RECHARGEABLE BATTERY PACK
MODEL:MT202   DC 10.9V   7800mAh/85Wh
Charge Current:4.0A (max).
Charge Voltage:12.73V (max).

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NHS Supply Chain

RELATED ACCESSORIES *(available separately)*

MT202
6-gang
battery
charger

RELATED PRODUCTS

MT500-24T/22T

MT700-24T
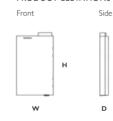
MT202 Lithium-ion Rechargeable Battery Pack

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

H

W   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

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	

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

NHS
NHS Supply Chain

*Battery packs are purchased separately.

RELATED PRODUCTS *(available separately)*

MT202

MT500-24T/22T

MT700-24T

MT202 ACC-001-596 6-Bay Smart Charger

The MT202 6-Bay Smart Charger Kit 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

W   D

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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

NHS
NHS Supply Chain

RELATED PRODUCTS *(available separately)*

MT105

MT102

MT103

PRODUCT CODE

MT101-W-UK Waterproof IP68 backlit keyboard featuring a Cleaning Lock Key

The MT101 Keyboard can be fully submersed in water, making it fantastic for clinical environments and very easy to clean for high traffic clinical use. It's fully tested to IP68 to withstand frequent disinfection and offers Freeway Med-Tech's highest infection control compliance for a keyboard. It offers ergonomic typing, with raised keys for touch type feed back and has an adjustable blue back light which make it great for use at night. It also has the ability to lock the keys for quick cleaning. Another stand out feature is its silent keys - useful for typing in areas that are noise sensitive such as at a patient's bedside.

DIMENSIONS

Height = **10mm**   Width = **380mm**   Depth = **130mm**

PRODUCT ELEVATIONS

Front   Side

H   D

W   D

KEY FEATURES

• IP68 – designed for complete immersion in water.
• Cleaning Lock Key - pressing this key for 5 seconds activates cleaning mode that locks all keys. Press again for 5 seconds and the lock is released.
• Rubberised coating for a tactile, quiet typing surface.
• Designed to withstand water, alcohol and disinfectants.
• Adjustable backlit keys - great in dark environments or at night (can be switched on or off).
• Sold at cost price - offers the highest levels of infection prevention across a hospital, at the lowest cost!

TECHNICAL SPECIFICATIONS

Feature	General comment
Connection	Wired
Interface	USB
Dimensions	10x380x130mm (HxWxD)
Weight	720g
Cable Length	180cm
Number of keys	110
Platform	Windows, Mac and Linux
Protection rating	IP68 (fully tested to resist dust and dirt and can fully submersed in water to a depth of 1.5m for 30mins)
Lockable	Yes (5-second press to lock/unlock)
Compliant standards	CE / FCC / RoHS / IP68
Backlight	Yes - blue colour; adjustable brightness, on/off
Warranty	36 months
Operating temperature	-30°C ~ +70°C

*Specifications subject to change without notice.

Cleaning Lock Key

Holding this key in for 5 seconds disables all key inputs until it is pressed again. Great for cleaning whilst the keyboard is still plugged in!

Backlit keys on/off

Toggle the keyboard back-light with a simple key switch. The rubber encasing ensures the unit stays waterproof regardless of the keys' up/down state.

IMAGE FAR LEFT

Spillages

Accidental spillages can easily be rinsed off with clean water. Even whilst the keyboard is plugged-in!

IP68

Fully waterproof

Not just water resistant or splash proof, this keyboard can withstand being fully immersed in water! This makes cleaning the surface extremely easy and thorough.

*See pages 54/55 for detailed information on cleaning chemicals and procedures.

Backlit keys for nightwork

All keys and status icons are backlit with an adjustable blue light that can be switched on/off as required. It makes working in reduced lighting much easier and more error-free.

Soft silicone encased keys

Our beautifully tactile soft silicone coating not only ensures zero liquid enters the electronics inside, but it also extremely quiet and comfortable to type on.

PRODUCT CODE

MT102-W-UK Compact Washable keyboard featuring a Cleaning Lock Key

The MT102 Washable Silicone Keyboard is designed for use in medical environments and can be fully submersed in water. As it is not fully sealed, its use is not just for clinical areas but where higher volumes of typing need to be combined with the convenience of washing the keyboard under water or cleaning with Alco wipes. It's fully tested to IP68 to withstand frequent disinfection and offers the ability to wash frequently. It also has the ability to lock the keys for quick cleaning.

DIMENSIONS

Height = **28mm**   Width = **346mm**   Depth = **116mm**

PRODUCT ELEVATIONS

Front   Side

W   D

H

KEY FEATURES

- Cleaning Lock Key - pressing this key for 5 seconds activates cleaning mode that locks all keys. Press again for 5 seconds and the lock is released.
- IP68 – designed for complete immersion in water.
- Plug and Play via USB
- Pop-up legs to form a 6° angle
- Antimicrobial coating helps prevent bacteria build-up

RELATED PRODUCTS *(available separately)*

MT105

MT101

MT103

TECHNICAL SPECIFICATIONS

Feature	General comment
Connection	Wired
Interface	USB
Dimensions	28x346x116mm (HxWxD)
Weight	560g
Cable Length	150cm
Number of keys	90
Platform	Windows, Mac and Linux
Protection rating	IP68
Lockable	Yes (5-second press to lock/unlock)
Compliant standards	FCC / CE / RoHS / IP68 / Antibacterial
Backlight	No
Warranty	12 months
Operating temperature	-10°C ~ +55°C

*Specifications subject to change without notice.

Cleaning Lock Key
Holding this key in for 5 seconds disables all key inputs until it is pressed again. Great for cleaning whilst the keyboard is still plugged in!

Spillages
Liquids can easily be rinsed off under a tap with clean water and wiped clean.

IPX7

Waterproof
Can withstand being fully immersed in water at a depth of 1m for 30 minutes!

*See pages 54/55 for detailed information on cleaning chemicals and procedures.

NHS
NHS Supply Chain

PRODUCT CODE
MT103-W-UK Washable keyboard featuring a Cleaning Lock Key

The MT103 Keyboard can be fully submersed in water, as it is not fully sealed, its use is not for clinical areas but where higher volumes of typing need to be combined with the convenience of washing the keyboard under a direct water source or cleaning with Alco wipes, this MT103 is perfect. It's fully tested to IPX7 to withstand frequent disinfection and offers the ability to wash frequently. It offers ergonomic typing, with raised keys for touch type feed back. It also has the ability to lock the keys for quick cleaning.

DIMENSIONS
Height = **20mm**   Width = **450mm**   Depth = **162mm**

PRODUCT ELEVATIONS

Front   Side

W   D

KEY FEATURES

• Cleaning Lock Key - pressing this key for 5 seconds activates cleaning mode that locks all keys. Press again for 5 seconds and the lock is released.
• IPX7 – A device with a level 7 water resistance rating can survive (without any damage) immersion in water of up to 1m (approx. 3ft) for 30min. All the devices with the IPX7 rating are considered fully waterproof.

TECHNICAL SPECIFICATIONS

Feature	General comment
Connection	Wired
Interface	USB
Dimensions	20x450x162mm (HxWxD)
Weight	525g
Cable Length	180cm
Number of keys	110
Platform	Windows, Mac and Linux
Protection rating	IPX7
Lockable	Yes (5-second press to lock/unlock)
Compliant standards	CE / RoHS / IPX7
Backlight	No
Warranty	12 months
Operating temperature	-30°C ~ +70°C

*Specifications subject to change without notice.

Cleaning Lock Key
Holding this key in for 5 seconds disables all key inputs until it is pressed again. Great for cleaning whilst the keyboard is still plugged in!

Spillages
Liquids can all easily be rinsed off with clean water and wiped clean.

IPX7

Waterproof
Can withstand being fully immersed in water at a depth of 1m for 30 minutes!

*See pages 54/55 for detailed information on cleaning chemicals and procedures.

RELATED PRODUCTS *(available separately)*

MT105

MT101

MT102

PRODUCT CODE

MT105-W Waterproof IP68 easy-clean laser mouse

The MT105 IP68 Laser Mouse is fully waterproof and designed for clinical use as it can be cleaned easily, using popular hospital chemicals. It's sealed to the highest IP68 standards in silicone to withstand frequent disinfection and offers Freeway Med-Tech's highest infection control compliance for a mouse. We are proud of the design and is a result of hundreds of hours of testing in NHS environments, with power needs specially customised to work with our MT700 & MT500 Powered Medical displays. Ideally suited in ICU, Theatres or any area where the risk of contamination is high, and cleaning is constant, requiring a rugged medical mouse.

DIMENSIONS

Height = **42mm**   Width = **115mm**   Depth = **68mm**

PRODUCT ELEVATIONS

Front   Side

KEY FEATURES

• IP68 Rating – the mouse is completely water tight and so is protected against complete, continuous immersion in water.
• Designed to withstand water, alcohol and hospital disinfectants
• Stylish design and comfortable shape to suit left or right-handed users
• Scrolling touchpad in the middle of the mouse

RELATED PRODUCTS *(available separately)*

MT101   MT102   MT103

TECHNICAL SPECIFICATIONS

Feature	General comment
Connection	Wired
Interface	USB, PS/2
Dimensions	42x115x68 (HxWxD)
Weight	176g
Cable Length	180cm
DPI (resolution)	1000
Tracking Method	Laser
Hand Orientation	Left or Right
Platform	Windows, Mac and Linux
Protection rating	IP68 (fully tested to resist dust and dirt and can fully submersed in water to a depth of 1.5m for 30mins)
Compliant standards	CE / FCC / RoHS / IP68
Warranty	12 months
Operating temperature	0°C ~ 55°C

*Specifications subject to change without notice.

Sealed operation
Both mouse buttons and the scroll wheel are completely sealed underneath the soft waterproof coating leaving no traps for dirt or water ingress.

Fully submersible
Easy cleaning is achieved by wiping the surface over with alcohol wipes. But, if a deep clean is required, then the unit can be submersed in water or cleaner if necessary.

IP68

Fully waterproof
The mouse can be fully immersed in water or disinfectant to ensure thorough cleaning.

*See pages 54/55 for detailed information on cleaning chemicals and procedures.

Soft silicone encasing
Our beautifully tactile soft rubber coating not only ensures zero liquid enters the electronics inside, but it also extremely comfortable to hold and use.

FREEWAY
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NHS
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PRODUCT CODE
MT300 Magnetic back-lit tablet keyboard

This optional slim detachable keyboard for our powerful MT300-13T tablet, allows the user to type more freely and quickly than if using just the tablet's touch screen alone. Better still, if paired with the tablet desktop cradle and a large separate monitor, a true 'desktop' PC experience can be acheived. The keyboard's bright back-lit keys make using it in dimly-lit or late-night ward environments, a much easier task compared with a standard keyboard.

Other great features are the magnetic hinge which magically grip the tablet and helps to locate the electronic contacts ensuring an instant connection - no need for a potentially troublesome bluetooth or wireless 'pairing'. Plus, when the keyboard is in the closed position, it completely covers and protects the tablet's advanced capacitive touch screen!

DIMENSIONS
Height = **217mm**   Width = **319mm**   Depth = **9mm**

PRODUCT ELEVATIONS

Front   Side

W   D

RELATED PRODUCTS *(available separately)*

MT300-13T

KEY FEATURES

• Bright back-lit QWERTY keyboard
• Physical electronic (instant) connection with tablet
• Magnetic hinge grips tablet's connecting edge
• Ultra slim design

TECHNICAL SPECIFICATIONS

I/O Ports	
Magnetic hinge connector	A physical connection for all data and power
Mechanical and Environmental	
Dimensions (H x W x D)	217 x 319 x 9 mm (exc. hinge connector)
Weight	0.6kg

*Specifications subject to change without notice.

Magnetically secured. Physically connected.
The removable keyboard is attached to the MT300 tablet via magnets within the hinge connector, also where the electronic contacts are housed. These gold contacts make a physical connection thereby ensuring the keyboard is 'live' as soon as they touch. No need to wait for pairing and connection as on bluetooth devices. No separate battery or power source is required to use the keyboard.

Easily attach.
Simply move the lower edge of the tablet towards the connector and it will magnetically 'grab' the bar into position.

Flexible.
The silicone interconnect allows the keyboard to move independently of the tablet and effortlessly close.

Magically held closed.
Strategically placed powerful magnetics hold the keyboard against the tablet when not in use.

A screen protector too.
When closed, by default the keyboard offers complete protection for the tablet's screen!

RELATED PRODUCTS *(available separately)*

MT300-13T

TABLET-TO-DESKTOP SETUP

PRODUCT CODE
MT-ACC-00872HMDA Tablet desktop cradle

Quickly convert the MT300-13T tablet PC into a desktop PC with this optional desktop cradle. An aesthetically designed outer casing effortlessly holds our tablet and keeps it sturdy and secured. The tablet is always charging whilst in the cradle and with it's expansive I/O, connectivity to screens, keyboards, printers and many other peripherals is never a problem. A high grip and weighted underside keep the cradle from being accidentally moved or knocked over. Extra USB ports on both sides of the cradle make plugging-in the odd storage device or phone charger a swift experience without the need to see behind the unit.

DIMENSIONS

Height = **50mm**   Width = **182mm**   Depth = **150mm**

PRODUCT ELEVATIONS

Front   Side

KEY FEATURES

- Great connectivity including accessible side USB ports
- RJ45 Ethernet socket allows reliable high speed network access when tablet docked
- Tablet is always charging whilst docked
- Weighted high-grip safety base

TECHNICAL SPECIFICATIONS

I/O Ports	
USB	x4 USB 2.0 (2 on rear panel, 2 on sides)
HDMI	x1 (on rear panel)
Ethernet (RJ45)	x1 10/100/1000 Gigabit port (on rear panel)
DC-in	x1
Mechanical and Environmental	
Dimensions (H x W x D)	50 x 182 x 150mm
Weight	682g

*Specifications subject to change without notice.

Accessible USB
Both sides of the desktop cradle feature USB ports for peripherals that maybe aren't always plugged in.

Comprehensive I/O
The cradle features plenty of ports on both the rear and sides of the unit.

Note the power supply unit does not come with the cradle as standard. The tablet's PSU can be used or another one can be purchased separately.

Secure weighted base
There's no accidentally knocking the cradle over or off a desk with it's high-grip weighted underside.

Ample connectivity options*
With a plentiful supply of ports on both the rear and sides of the cradle, getting connected with peripherals and devices is never a problem.

*See table opposite

THE FREEWAY EASY ROLL-OUT

FREEWAY
Med-Tech

From pallet to switching on, in under 5 minutes.

We pride ourselves in this unique delivery service, where an iWOW® can be unboxed and commssioned in less time than it takes to make a cup of tea!

Our iWOW®'s come pre-built, pre-cabled and with all IT accessories pre-installed where applicable. There's no need for the hospital's in-house IT or engineers to setup any equipment before installing their software and licenses.

Furthermore, we use around 75% less packaging than other manufacturers and take all of what is used, away with us upon completion of the 'easy roll-out'.

Protected ✔
All iWOWs are delivered by our own transport and decanted by our own staff. This ensures a seamless process between our factory and the customer which leads to less damage and/or delays.

Pre-built ✔
iWOWs arrive fully built and with only minor elements of protective packaging in place for transit.

Pre-cabled ✔
All necessary cabling is installed at the factory leaving no room for error on-site.

It may seem like a trivial element, but anecdotally, this really does save time and costly errors compared with it being done on-site when often being rushed.

IT Pre-installed ✔
All accessory equipment can be pre-installed ready to go ensuring commissioning the iWOW® is a very quick process.

Less packaging ✔
More recycling ✔
We strive to be greener and forward-thinking regards our packaging, which is why we use much less than other manufacturers with similar products. We also take away and re-use, where possible, the protective transit packaging.

Dedicated transport ✔
The customer can always be safe in the knowledge that their new equipment will arrived undamaged.

75% LESS

PRODUCT CLEANING AND USE OF INDUSTRY CHEMICALS

How often can I clean my iWOW®?

You can clean your medical grade cart and Monitor as often as required. All health care institutions will have a recommended minimum frequency for routine cleaning of various items within their facility. This may be weekly, daily or after each use depending on the risk involved. Please refer to the table opposite for all safe-use chemicals.

Cleaning the Freeway Med-Tech Medical Grade Monitors and AIO 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

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.

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INTELLIGENT WORKSTATION ON WHEELS
iWOW® DUO & ACCESSORIES

EDITION 1.0