



TM-5557-22

Medical Panel PC



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General Information

Revision History

Date	Version	Updates
2018/09	1.0	First Release

Trademark Recognition

All product names and trademarks used in this user's guide are properties of their respective owners.

Intended Use

Thank you for choosing the TM-5557-22 unit. This device is intended to serve as a display in a healthcare institution for general use by the medical personnel. It can be mounted on the wall, placed on the medication cart, or any other flat surface for easy access and control.

IMPORTANT! *In critical diagnostic decision making the images displayed by TM-5557-22 will not replace a healthcare provider's professional judgment or clinical diagnosis.*

Safety and Maintenance

To avoid any damages caused by improper usage, please read the following information carefully before you start using your medical panel PC.

Electrical and Power Source Related Hazards

- Use only the power supply and power cord included with your device.
- Ensure your electrical outlet is the same voltage and frequency as shown on the power supply. If you are not sure what type of power supply used in the area, ask a local power supplier.
- Do not overload your wall outlet, extension cord, power strip, or other electrical receptacle. Ensure these are rated to handle the total current drawn by your device.
- Ensure to route the power cord properly to prevent people from stepping on the cords.
- For your safety, avoid touching the plug if your hands are wet.
- Hold the power cord by the plug when disconnecting it from the electrical outlet.
- If the device is not going to be in use for an extended period of time, disconnect the device from the electrical outlet.
- Allowing foreign objects or liquids to enter the device could result in fire or electric shock.

Environmental Related Hazards

- Do not use the device under the following conditions:
 - In extremely hot, cold or humid environments. For more information, please refer to page 14.
 - In areas susceptible to excessive dirt, dust, fumes, or steam.
 - In direct sunlight or heat generating sources.

Disposal of the Battery

- Most rechargeable lithium polymer batteries are classified as non-hazardous waste and can be safely disposed of in accordance with normal urban waste disposal procedures. In many areas, laws have been enacted to require the recycling of batteries. Please confirm local regulations to ensure that rechargeable batteries can be disposed of as normal waste. To safely discard lithium polymer batteries, protect the battery terminals with packaging, covering, or electrical insulation tape to avoid contact with other metals and transport without causing a fire. However, lithium polymer batteries do contain recyclable materials and can be recycled according to

the Rechargeable Battery Recycling Corporation (RBRC) battery recycling program. It is recommended that you visit Call2Recycle at call2recycle.org for information; users in North America can call 1-800-BATTERY for a convenient recycling location. Do not throw the battery into a fire to avoid an explosion.

Other Hazards

- Do not block the ventilation openings on top of the device.
- Do not use the device if it has been dropped, power supply cord or plug has been damaged, liquid has been spilled on to the device, device has been exposed to rain or moisture, or other physical damage has occurred.

Caring for Your Device

- Turn off and unplug the power cord from the electrical outlet before cleaning the device.
- Please use PDI detergent wipe or similar product to clean the screen/panel service.
- Do not use any acids or cleaning alkali liquids as this may cause cosmetic damage.

Regulatory Information

Your medical panel PC conforms to the following regulations and standards:

Federal Communication Commission (FCC):



- PART 15B Class A
- PART 15C, BT
- PART 15C, WLAN 2.4G
- PART 15E, WLAN 5G & DFS Slave
- RF exposure
- Short-term-confidentiality
- FCC ID

For users in China:

- SRRC
- CEL test and registration

SRRC

- CCC



CE medical standard:



- Medical_EMC_IEC60601-1-2:2014+
- ANSI/AAMI_60601-1-2
- CAN/CSA-C22.2 No. 60601-1-2
- CB scheme for safety_IEC 60601-1:2005+AMD1:2012 CSV/COR1:2012
- USTC Q mark_safety_ANSI/AAMI ES60601-1:2005 + A1:2012, C1:2009
- A2:2010+CAN/CSA-C22.2 No. 60601-1:2014

Safety



- cSGSus (60950-1) / option 2

Energy star 7.0 and CEC computer



HDMI

HDMI[™]

- HDMI Out: HDMI2.0
- HDMI In: HDMI1.4a

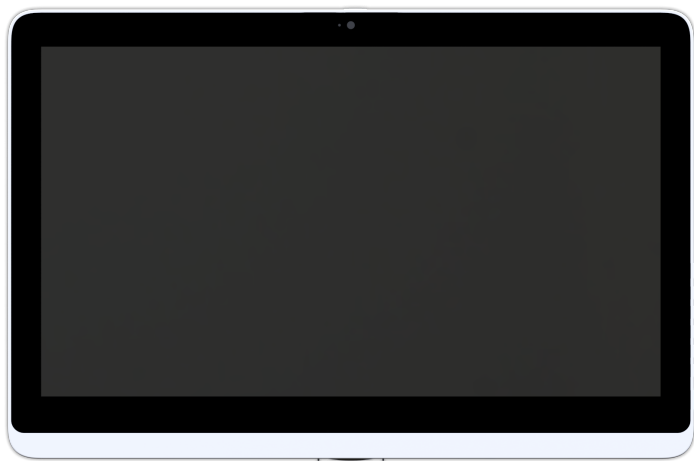
IP65

IPX5

Product Overview

Package Contents

Before using your medical panel PC, ensure all of the following items are included in the package. If any of the items are missing or are damaged, please contact your dealer.



TM-5557-22 All-In-One Medical Panel PC



AC Adapter



Power Cord

Features

Device features include:

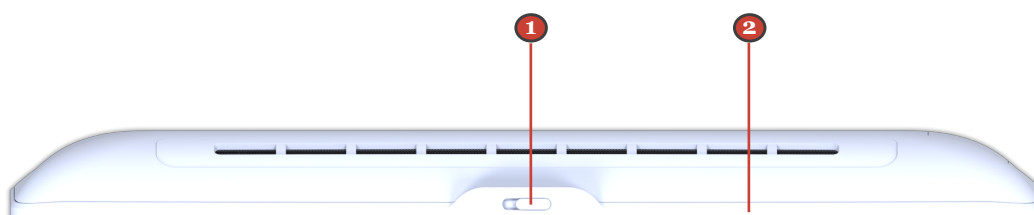
- Ultra slim (45 mm/1.8 in) fanless all-in-one design
- With battery 6.2kg/2.81lbs, without 5.8kg/2.63lbs.
- IP65 and antibacterial plastic housing at the front
- Up to Intel[®] Core[™] i7 processor
- SSD M.2 as 2nd storage
- 10 point projected capacitive (PCAP) multi-touch display with glove support
- Webcam with security cover and integrated microphone
- Stereo speakers
- Standard VESA mounts
- Versatile I/O interface
- Reading light

Font View



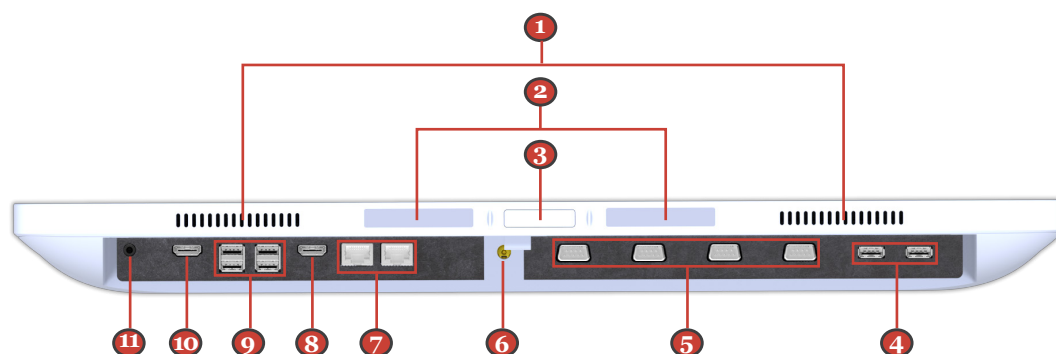
No.	Icon	Item	Description
1		Webcam	Use camera to capture images, record videos, or hold a video conference.
2		Touchscreen	10 point projected capacitive multi-touch display with glove support.

Top View



No.	Icon	Item	Description
1		Webcam Security Cover	Slide to cover or uncover the webcam lens.
2		Antibacterial Coating	Ensures a bacteria-free surface.

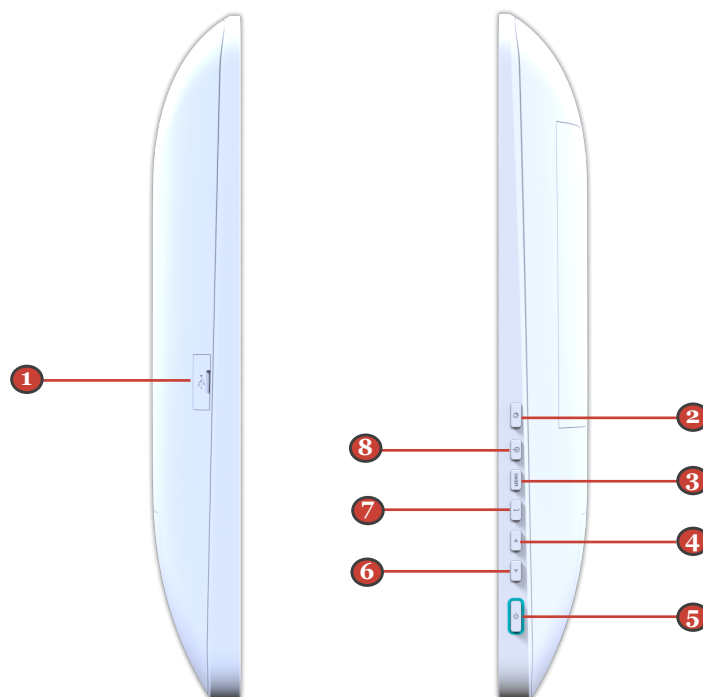
Bottom View



NOTE: The bottom view is displayed with the cable management cover removed.

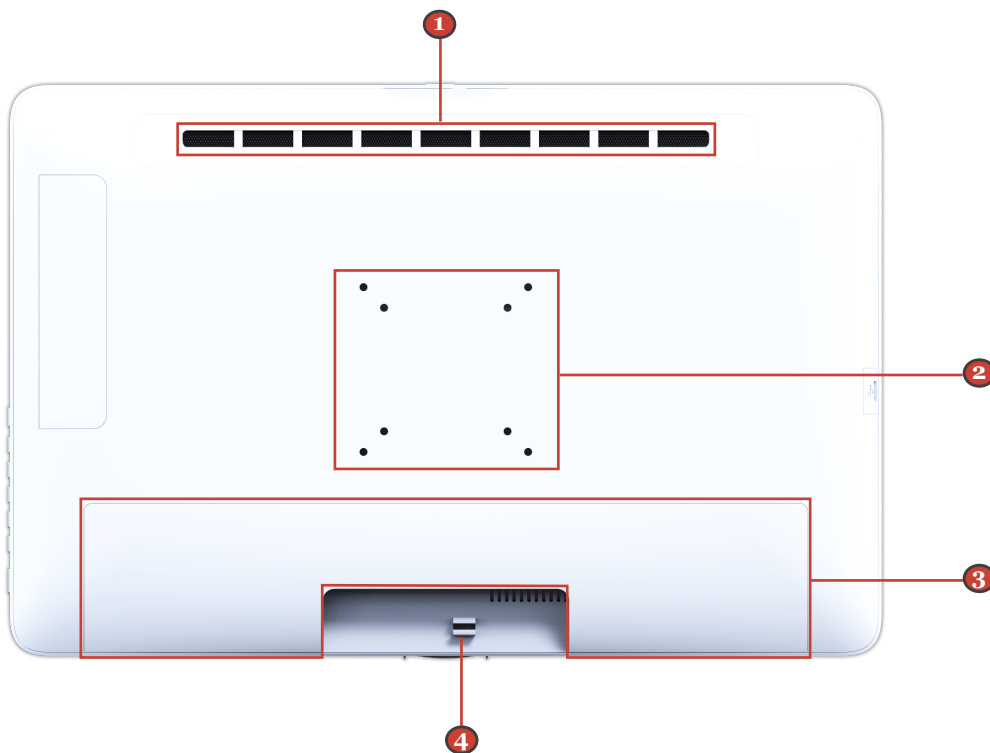
No.	Icon	Item	Description
1		Speakers	Stereo audio output.
2		Reading Light	Helps illuminate work areas.
3		Reading Light Switch	Toggle reading light on/off.
4		(2) USB 2.0 Ports (optional)	Connect USB 2.0 compatible devices.
5		(4) Serial Ports (optional)	Connect RS-232 compatible devices.
6		DC-In Jack	Power input from the supplied AC adapter.
7		(2) LAN Ports	Connect to a Local Area Network (LAN).
8		HDMI In Port	Auxiliary HDMI compatible audio device or video monitor input.
9		(4) USB 3.0 Ports	Connect USB 3.0 compatible devices.
10		HDMI Out port	Auxiliary HDMI compatible video monitor output.
11		Audio Combo Jack	External audio output.

Left and Right Views



No.	Icon	Item	Description
1		USB 2.0 Port	Connect USB 2.0 compatible devices. NOTE: To use the USB port, open the port cover first. After using, replace the cover.
2	☾	Screen Button	Toggles only the display on/off.
3	MENU	Menu Button	Toggles the OSD menu open/close.
4	▲	Up Button	OSD menu selection and parameter adjustment.
5	⏻	Power Button with LED	<ul style="list-style-type: none"> If illuminated green, toggle to enter/exit sleep mode. NOTE: To shut down the device, press Start ⏻ > Power ⏻ > Shut down . <ul style="list-style-type: none"> Otherwise, press to power on.
6	▼	Down Button	OSD menu selection and parameter adjustment.
7	↵	Enter Button	Press to confirm OSD selection.
8	⌂	Source Button	Video input source selection allows proper device ventilation.

Rear View

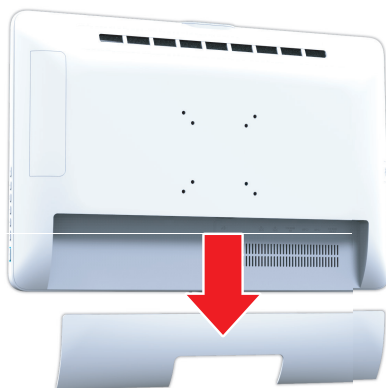


No.	Icon	Item	Description
1		Ventilation Slots	Allows proper ventilation of the device. WARNING! To prevent overheating, do not block ventilation slots.
2		Screw holes for VESA mounting installation.	
3		Cable Management Cover	Use for cable management.
4		Cable Guide	Use for securing the AC adapter cable.

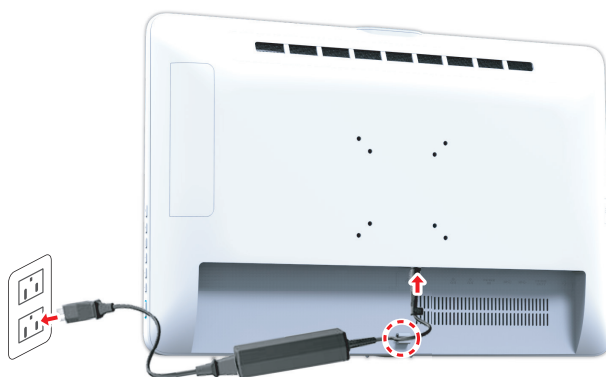
Switching On the Device

To start using your medical panel PC, do the following:

1. Connect the power cord to the AC power adapter.
2. Remove the cable management cover.



3. Connect the AC adapter to the DC-in jack on the panel PC's bottom, and secure the cable to the cable guide as illustrated.
4. Connect the power cord to an electrical outlet.



5. Press the **Power** button on the right side of the device. The **Power** button is illuminated green.



Your medical panel PC is ready to be used.

Specifications

The following table includes all the features and operational requirements regarding your medical panel PC.

Item	Description		
Size / Resolution	21.5" W FHD screen		
Dimension (W x H x L)	<ul style="list-style-type: none"> 529.8 mm x 346.7 mm x 45 mm 20.9 in x 13.6 in x 1.8 in <p>NOTE: Please refer to page 15.</p>		
Weight	<ul style="list-style-type: none"> 5.95 kg 13.1 lbs 		
Processor	Intel Kabylake-U		
Touch Feature	10 point PCAP multi-touch display with glove support		
Graphics	Integrated Intel Graphics		
Memory	(2) DDR4 slots, up to 32G		
Network	(2) Intel GbE LAN		
Wireless	Wifi 802.11 a/b/g/n/ac + Bluetooth 4.2		
Trusted Platform Module (TPM)	Yes		
Audio	(2) Speakers 2W		
Webcam	2M webcam with digital microphone		
Storage	SATA 3.0, 2.5" HDD/SSD		
2 nd Storage	M.2 SSD		
Internal Battery Life	30 minutes ~ 2 hours		
I/O Ports	<ul style="list-style-type: none"> (4) USB 3.0 (1) HDMI Out (1) HDMI In (2) LAN (RJ45) (1) DC-In 	<ul style="list-style-type: none"> (1) Audio Combo (1) USB 2.0 (4) Serial Ports (optional) (2) USB 2.0 (optional) 	
	Adapter	Input: 100-240V~1.5A 50/60Hz	Output: 19V/4.7A, max. 90W (Medical Adapter)
	IP Rating	IP65 front panel	
	On-Screen Display (OSD)	Yes	
	Antibacterial Housing	Yes	
Thermal Solution	Fanless housing		
VESA Wall Mount	75 mm, 100 mm		
Temperature	<ul style="list-style-type: none"> Operational: 0°C~40°C (32°F~104°F) Storage: -20°C~60°C (-4°F~140°F) 		
Humidity	10%~90% @40°C non-condensing		

Item	Description	
Operating System	Windows 10 (optional)	
Safety and Certifications	<ul style="list-style-type: none"> IEC60601-1:2005+A1:2015 (Ed.3.1) 	<ul style="list-style-type: none"> ANSI/AAMI 60601-1-2
	<ul style="list-style-type: none"> IEC60601-1-2:2014 (Ed.4.0) 	<ul style="list-style-type: none"> CAN/CSA-C22.2 No.60601-1-2
	<ul style="list-style-type: none"> IEC60601-1-6:2010+A1:2013 (Ed.3.1) 	<ul style="list-style-type: none"> CAN/CSA-C22.2 No.60601-1:14
	<ul style="list-style-type: none"> ANSI/AAMI ES60601-1:2005/A1:2012 and C1:2009/(R)2012 and A2:2010/(R)2012 	<ul style="list-style-type: none"> UL60950-1
Optional Accessories	<ul style="list-style-type: none"> Radio-Frequency Identification (RFID) 	<ul style="list-style-type: none"> Barcode scanner
	<ul style="list-style-type: none"> Card reader 	<ul style="list-style-type: none"> Magnetic Stripe Reader (MSR)
Other Features	<ul style="list-style-type: none"> Reading light Camera privacy latch 	

Dimensions

