



FEATURES

- Windows 11 Medical Panel PC
- 21.5" IPS LCD (1920 x 1080)
- 10-Point Capacitive Touchscreen
- 11th Gen Intel Tiger Lake i5 Or i7 Processor
- PCIe Gen 4 Solid State Drive (SSD)
- Smart Card Reader Available
- IP65 Front, IP54 Rear Waterproof
- IEC 60601-1 Medically Certified
- Hot-Swappable Batteries For Continuous Use

Sometimes, the needs of hospitals, healthcare facilities, and surgical facilities go beyond what a tablet PC can provide. Meet the EM-2100, a large format panel PC designed expressly for medical and healthcare situations. The touchpanel PC can be easily mounted on all types of medical computer carts, armatures, or wall mounts and features plenty of tools and connections for all types of medical applications.

SPECIFICATIONS

RUGGEDNESS

Waterproof IP65 - Front Panel, IP54 - Rear Chassis
ESD Protection 8KV Touch, 15KV Air

SYSTEM

Processor Intel 11th Gen Tiger Lake i5-1145GRE, Base 1.5GHz, Burst 4.1GHz, 8M Smart Cache
Option: Intel 11th Gen Tiger Lake i7-1185G7E, Base 1.8GHz, Burst 4.4GHz, 12M Smart Cache
GPU Intel Iris Xe Graphics, Max Frequency To 1.35GHz
Memory 16GB LPDDR4
Options: 32GB LPDDR4
OS Windows 11 Pro, 64bit
Options: Windows 10 Pro/LTSB, 64bit
Linux (Custom Projects)
Storage 256GB PCIe Gen 4 SSD
Options: 512GB PCIe Gen 4 SSD
1TB PCIe Gen 4 SSD
Security Intel AES New Instructions
TPM 2.0
Intel vPro

DISPLAY

Screen Size 21.5" IPS LCD
Resolution 1920 x 1080
Brightness 250 NIT
Option: 500 NIT
View Angle +/- 85°
Contrast Ratio 1000:1
Touchscreen Capacitive 10-Point Multi-Touch
Auto-Sensing, Configurable To Wet & Gloved Touch
Ultra Optical Bonding
Chemically Hardened Glass
User Replaceable Anti-Glare Film

COMMUNICATIONS

Ethernet 2x 10/100/1000M
Wi-Fi Intel AX210 Wi-Fi Chipset, Wi-Fi 6
802.11 a/b/g/n/ac/ax 2.4G & 5G
Bluetooth Bluetooth v5.2

I/O INTERFACE

Sensors Ambient Light Sensor
Audio 2x Built-in Microphone
2x 4ohm, 3W Speaker
1x 3.5mm Audio Jack
Front Camera 2MP
Options: 5MP With Auto Focus
Windows Hello 2MP Camera
Ports 1x USB 3.0 Type C
2x USB 3.0 Type A
4x USB 2.0 Type A
1x 5.5mm DC Jack
1x HDMI Type A
Options: 3x RS232 DB9 COM
2x Isolation USB 2.0
Buttons Power On/Off
2x Programmable Buttons
Brightness +, Brightness -
Reading Light On/Off
Touchscreen Control
Smart Card Reader (Option) EMV 2000 Level 1, ISO 7816, CCID

MECHANICAL

Enclosure Material Aluminum - Front Chassis, Plastic - Rear Chassis
Option: Anti-Microbial Medical Chassis
Mounting 100 x 100mm, 75 x 75mm, M4 Screw
Dimensions 540mm x 378mm x 64mm
Weight 11.2kg
LED 2x Reading Light Bar
1x Power
1x HDD

POWER

AC Adapter 19V 7.9A, 110 -240V AC In, Standard US Plug
Options: Multi-National AC Plugs
Medical AC Adapter
Battery Dual Hot-Swappable Batteries
10.95V 11000mAh, 120.45Wh Each Battery
Battery Charging Time: 12 Hours

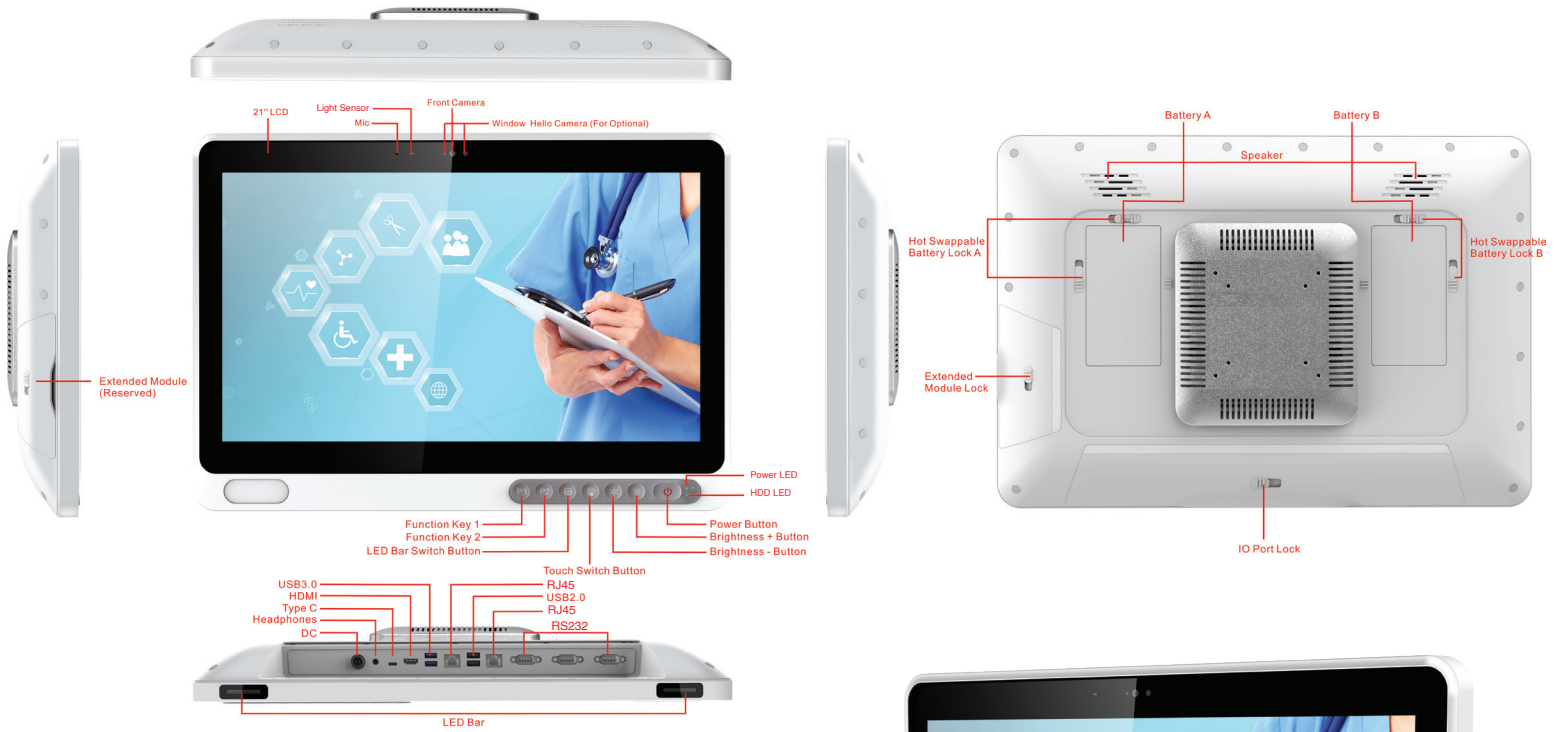
ENVIRONMENTAL

Operating Temp 0°C to 40°C
Storage Temp -20°C to 60°C
Humidity 10% to 95% @ 40°C (Non-Condensing)

REGULATORY

Certification FCC, CE, IEC 60601-1, IEC60601-1-2
Battery CE, UN38.3, IATA

*Specifications are representative. Specific product technology may be different than indicated.



ODM OPTIONS

SYSTEM

Processor	Intel 11th Gen Tiger Lake i7-1185G7E, Base 1.8GHz, Burst 4.4GHz, 12M Smart Cache
Memory	32GB LPDDR4
OS	Windows 10 Pro/LTSB, 64bit Linux (Custom Projects)
Storage	512GB PCIe Gen 4 SSD 1TB PCIe Gen 4 SSD

DISPLAY

Brightness	500 NIT
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I/O INTERFACE

Camera	5MP With Auto Focus Windows Hello 2MP Camera
Ports	3x RS232 DB9 COM 2x Isolation USB 2.0
Smart Card Reader	EMV 2000 Level 1, ISO 7816, CCID

MECHANICAL

Enclosure	Anti-Microbial Medical Chassis
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POWER

AC Adapter	Multi-National AC Plugs Medical AC Adapter
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ACCESSORIES



AC Adapter

