21.5" MEDICAL PANEL PC | NOTE STAR KMEM-2100

FEATURES

- Windows 11 Medical Panel PC
- 21.5" IPS LCD (1920 x 1080 Resolution)
- 10-Point Capacitive Touch Screen
- 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

IP Rating	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, 8MB Smart Cache Optional: Intel 11th Gen Tiger Lake i7-1185G7E, Base 1.8GHz, Burst 4.4GHz, 12MB Smart Cache
GPU	Intel® Iris® Xe Graphics, Max Frequency to 1.35GHz
Memory	16GB LPDDR4, Optional: 32GB LPDDR4
Storage	256GB PCIe Gen 4 SSD, Optional: 512GB, 1TB
OS	Windows 11 Pro 64bit Optional: Windows 10 Pro/LTSB 64bit, Linux
Security	Intel AES New Instructions, TPM 2.0, Intel vPro

DISPLAY

Screen Size	21.5'' IPS LCD
Resolution	1920 x 1080
Brightness	250 nits, Optional: 500 nits
View Angle	+/- 85°
Contrast Ratio	1000 : 1
Touch Screen	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	2 x RJ45 10/100/1000M Port
Wi-Fi	Intel® Wi-Fi 6 AX210, 802.11 a/b/q/n/ac/ax 2.4G & 5G
Bluetooth	Bluetooth 5.2

POWER

AC Adapter	110-240V AC Input, 19V DC 7.9A Output, Standard US Plug Optional: Multi-National AC Plugs, Medical AC Adapter
Battery	Dual Hot-Swappable Batteries 10.95V 11000mAh, 120.45Wh Each Battery

I/O INTERFACE

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

MECHANICAL

Chassis	Aluminum - Front Chassis, Plastic - Rear Chassis Optional: Anti-Microbial Medical Chassis
Dimensions	540 x 378 x 64mm
Weight	11.2Kg
VESA Mount	100 x 100mm, 75 x 75mm, M4 Screw
LED	2 x Reading Light Bar, 1 x Power, 1 x HDD

ENVIRONMENTAL

Temperature:	
- Operation	0°C to 40°C
- Storage	-20°C to 60°C
Humidity	10% to 95% Non-condensing

REGULATORY

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

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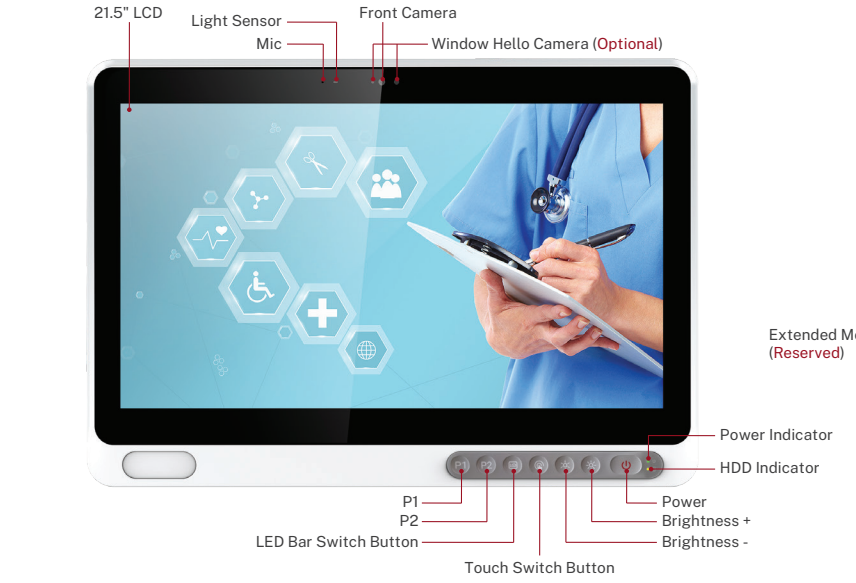
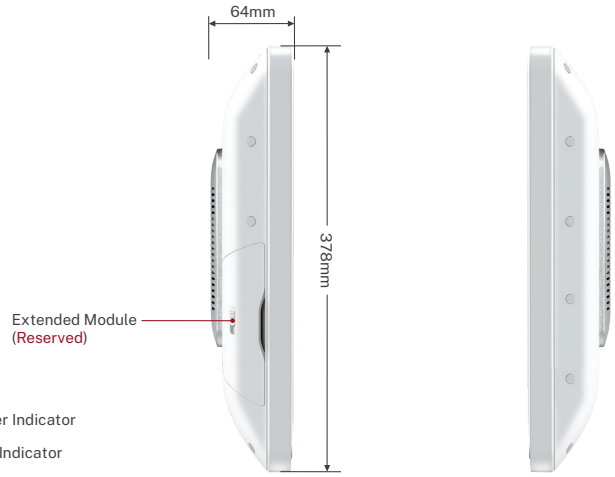
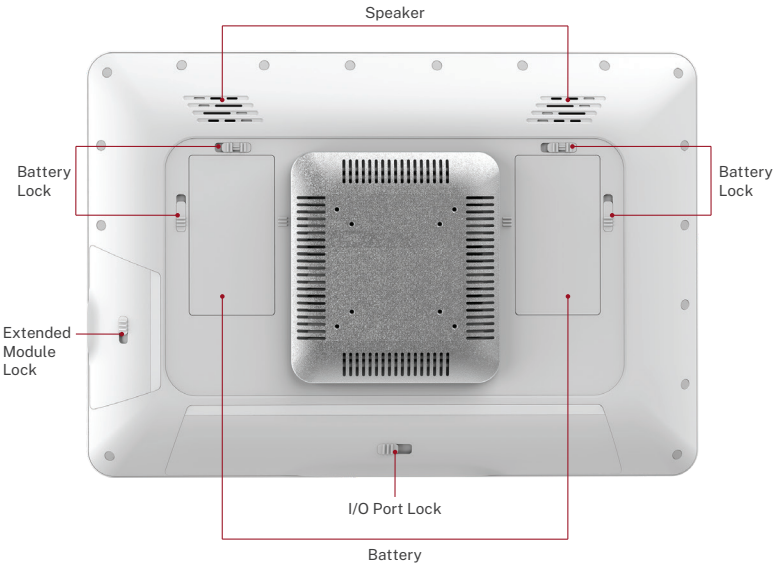
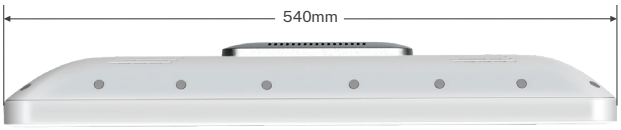
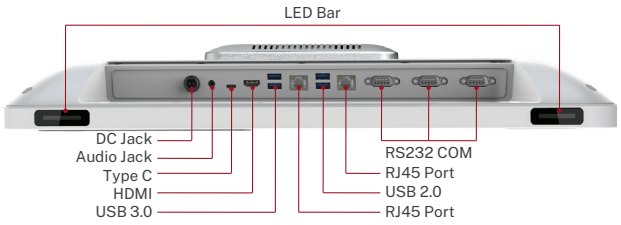
DIMENSIONS AND SYSTEM LAYOUT











MARKET & APPLICATIONS:

Medical: Patient and drug data input, Registration

Retail: Data input, Stock management

Warehouse management

Logistics: In/Out scanning, Delivery tracking

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