



M2150

21.5" Fanless Intel® Medical Station



Features

- Intel® 4th Generation Core™ i5-4402E
- 21.5" LCD with 10-point Capacitive Multi-Touch
- Fanless and Easy-to-clean
- Applicable for Clinical Station, Nursing Care and PACS
- IEC60601-1 (3rd edition), EN60601-1 (3rd edition), EN60601-1-2 certified
- UL60601-1 compliant
- Multiple Connectivity via Bluetooth, WLAN and GbE
- 5.0 MP Front-Facing Camera for Video Conferencing
- System Security & Access Control via RFID & NFC Reader & Dual Smart Card Readers
- Isolated Serial Port, USB and LAN Ports
- Multiple I/O Ports (1x RS-232/485, 4x USB 3.0 and 1x DP)
- Stylish Flush Front Bezel with Slim Borders
- Programmable Capacitive Function Keys

System

CPU	Soldered Onboard 4 th Generation Intel® Core™ i5-4402E 1.6 GHz
Graphics Controller	Intel® HD Graphics 4600
Memory	4GB DDR3L SO-DIMM memory module installed
Chipset	Intel® PCH QM87
Storage	32GB mSATA MLC SSD installed 2.5" 80GB SSD (optional)

Peripherals and Devices

Camera	1 x 5.0 MP front-facing CMOS camera with auto-focus
WLAN & Bluetooth	1 x IEEE 802.11 a/b/g/n and Bluetooth 4.0 LE, Class 2
RFID & NFC	1 x 13.56MHz RFID & NFC reader with ISO 14443A/14443B/15693 reader support (optional)
Smart Card Reader	2 x Smart Card Reader slots

I/O Interface

Audio	2 x 2W speakers 1x MIC-In, 1x Line-out
Video output	1 x DisplayPort
LAN	2 x Intel® GbE RJ-45 with 4KV isolation
Serial Port	1 x RS-232/485 port with 4KV isolation
USB Port	4 x USB 3.0 ports 1 x USB 2.0 port with 4KV isolation (12MB/Bits)
Expansion	1 x PCIe x16 (Max. 20W)

Button & Indicator

Button	1 x Home button 1 x Brightness up button 1 x Brightness down button 1 x Volume up button 1 x Volume down button
Button	1 x Touch and LCD on/off button 1 x Programmable button 1 x Power on/off switch (at the bottom) with LED Indicator

Touch Screen

Type	10-point Projected Capacitive Multi-Touch
Controller Interface	USB interface
Light Transparency	91% (typ.)

LCD Display

Size/Type	21.5" TFT Active Matrix Panel
Max. Resolution	1920 x 1080 with 16.7M colors
Luminance	250 cd/m ² (typ.)
Contrast Ratio	1000:1 (typ.)
Backlight Type	LED
View Angle (U/D/R/L)	85°/85°/80°/80° (typ.)

Power Requirement

Adapter Input	100 ~ 240 VAC (full range)
Adapter Output	DC 18V, 5.55A, 100W with medical certificate

Mechanical & Environmental

Operating Temp.	0 ~ 40°C (32 ~ 104°F)
Storage Temp.	-20 ~ 60°C (-4 ~ 140°F)
Operating Humidity	10 ~ 95% @ 40°C (non-condensing)
Dimensions (W x H x D)	546 x 383 x 63 mm (21.5" x 15.08" x 2.48")
Net Weight	6.8 kg (14.99 lb)
Vibration	5 ~ 500Hz, 1G random operation
Shock	10G peak (11m/sec)
Mounting	VESA-75/100 compatible (M4)
IP Rating	Compliance design with IP65 (front touch panel)
Operational Altitude	Below 2000m CE, FCC Class B IEC60601-1 (3 rd edition), EN60601-1 (3 rd edition), EN60601-1-2 UL60601-1 compliant

OS Support

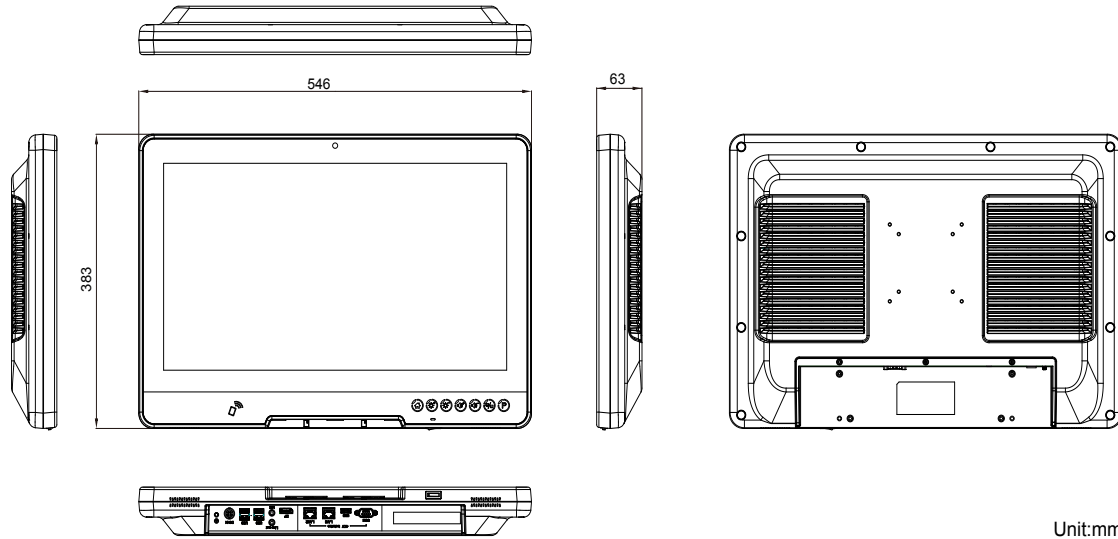
Windows Embedded Standard 7 (WS7P)
Windows Embedded 8 Standard / Windows Embedded 8.1 Industry Pro
Windows 10 IoT Enterprise LTSC
Linux: Ubuntu / Fedora

Ordering Information

M2150-4402E	21.5" Fanless Intel® Core™ i5-4402E Medical Station with Wi-Fi and Bluetooth
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Dimensions



Unit:mm

Standard Accessories

PAC-M100W 100W medical-grade AC/DC adapter kit



**Optional Configuration (CTOS* Kit)
(Not Sold Separately)**

RFID & NFC-2150 RFID & NFC Combo Kit



SSD80G-215X 2.5" Intel® 80GB SSD Kit



*CTOS means Configure-to-Order Service.

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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