



# M2150

## 21.5" Fanless Intel® Medical Station



### Features

- Intel® 4<sup>th</sup> 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 (3<sup>rd</sup> edition), EN60601-1 (3<sup>rd</sup> 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 <sup>th</sup> 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	
	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.)

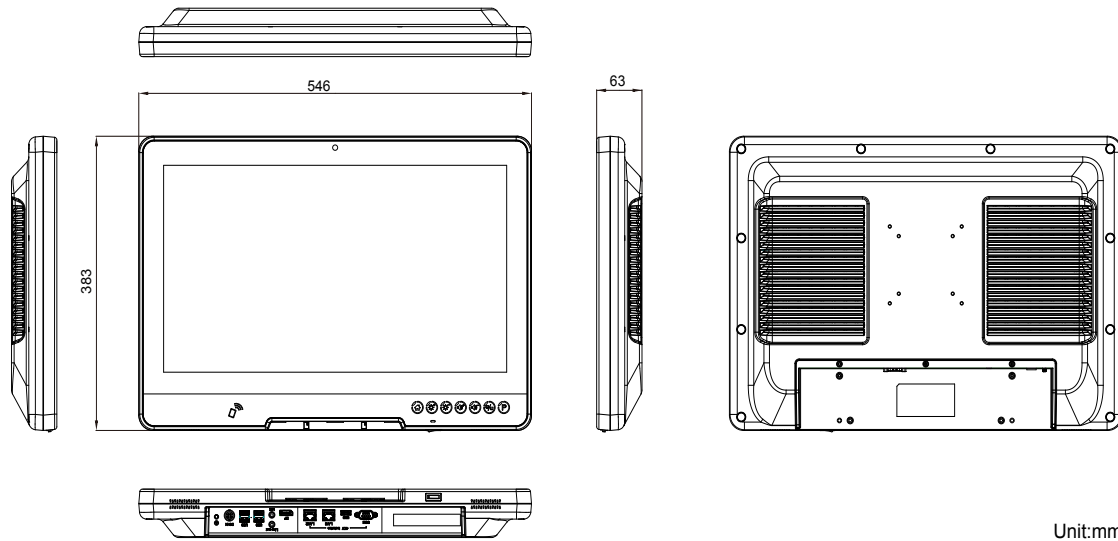
LCD Display	
Size/Type	21.5" TFT Active Matrix Panel
Max. Resolution	1920 x 1080 with 16.7M colors
Luminance	250 cd/m <sup>2</sup> (typ.)
Contrast Ratio	1000:1 (typ.)
Backlight Type	LED
View Angle (U/D/R/L)	85°/85°/80°/80° (typ.)
Power Requirement	
Adapter Input	100 ~ 240 VAC (full range)
Adapter Output	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
Regulatory	IEC60601-1 (3 <sup>rd</sup> edition), EN60601-1 (3 <sup>rd</sup> 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

Medical Computing

All specifications are subject to change without notice.



**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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