

# POC-W243

## 24" Widescreen Point-of-Care Terminal with IPS TFT Display and Intel Core i7 6th Generation Processor



### Features

- Runs on an Intel® Core™ i7 6th generation processor with a fanless, high performance profile
- 24" full HD resolution, IPS LCD with edge to edge, bezel-less design
- USB 3.0 and PCIe4 expansion slot, mini PCIe slot x 2
- Offers a multi-touch option to deliver a truly unmatched touchscreen experience
- IP54 enclosure to protect against dust and water splashing for ease of cleaning
- Isolated design provides unique electric leakage protection for COM ports, and LAN ports, and optional USB port
- Optional Bluetooth, RFID inner WLAN module, Li-ion battery pack, and auto-focus 5M pixel camera and DICOM preset
- Support Intel® firmware trusted platform module (TPM) with Intel® Platform Trust Technology (Intel® PTT)

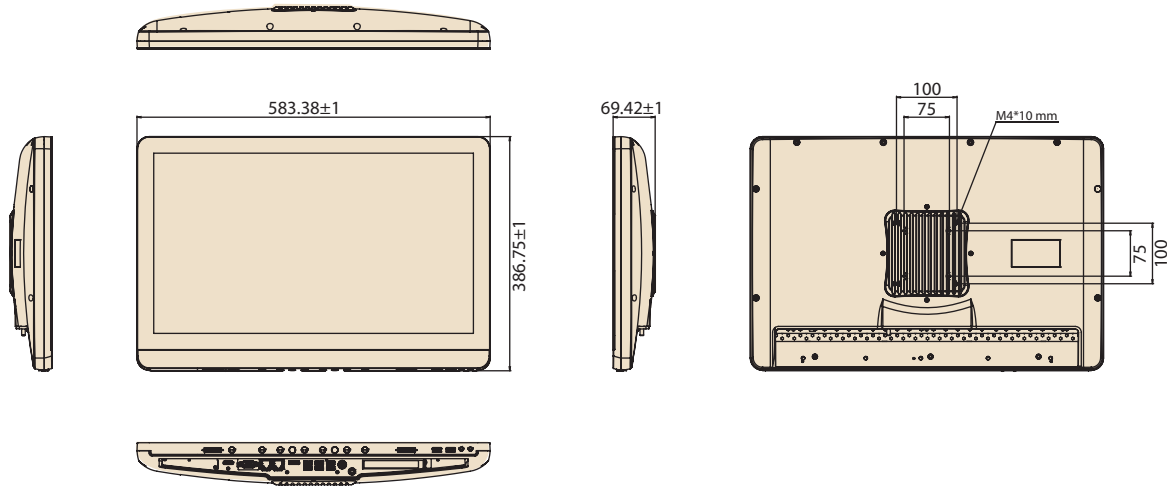


### Specifications

Computing System	CPU	Intel® Core™ i7-6600U Processor (4M Cache, up to 3.40 GHz) Intel® Core™ i5-6300U Processor (3M Cache, up to 3.00 GHz) Intel® Core™ i3-6100U Processor (3M Cache, 2.30 GHz) Intel® Celeron® Processor 3955U (2M Cache, 2.00 GHz)	
	Memory	DDR4-1666/2133 SODIMM (up to 32GB)	
	Graphics Controller	Intel HD Graphics 520/510	
	G-sensor	2g/±4g/±8g/±16g, 6D/4D orientation detection	
	Operating System (Optional)	Windows 7/Windows 8.1 Industry Pro/Windows 10 IoT	
Display	Display Size	23.8" wide TFT color LCD (16:9)	
	Type	IPS	
	Max. Resolution	1920 x 1080	
	Max. Colors	16.7 M colors (6-bits+A-FRC)	
	Pixel Pitch (um)	247.5 x 247.5	
	Luminance	250 cd/m <sup>2</sup>	
	Backlight	LED	
	LCD MTBF	30,000 Hours	
Expansion Slot	Mini PCIe (mSATA)	2 (Mini PCIe: 1 full-size, 1 half-size)	
	PCIe	1x PCIe (x4) slot	
I/O Ports	Serial Ports	2 x RS-232/422/485 (1.5KV isolated) serial port	
	USB 3.0 ports	2 x USB 3.0 ports (rear)	
	USB 2.0 Ports	2 x USB 2.0 ports (front) 2 x USB 2.0 ports (rear)	
	LAN	2 x Gigabit Ethernet (1.5KV isolated) interfaces (RJ-45)	
	HDMI	1 x HDMI max resolution 4096 x 2304 @ 24Hz	
	Displayport	1 x DP max resolution 4096 x 2304 @ 60Hz	
Storage	Audio	2 x 1 W speakers; 1 x MIC-in and speaker-out	
	HDD/SSD/mSATA (Optional)	2.5" HDD/SSD SATA, mini-PCIe mSATA	
Power Supply	DC Model	AC/DC adapter (Sinpro Model no. HPU101-107)	
	Input Voltage	90 ~ 260 V <sub>ac</sub> , 1.35 ~ 0.5 A, 47 ~ 63 Hz	
	Output Voltage	18 V <sub>dc</sub> , 5.55A Max. (100 watts)	
Optional Functions	Battery	3S2P 4200mAh, supports 0.5 hr backup operation (Adding the battery will prevent the PCIe card from being inserted)	
	WLAN	Dual-band (2.4/5GHz) 802.11a/b/g/n/ac 2Tx/2Rx WiFi	
	Bluetooth	Bluetooth v4.0	
	RFID	13.56MHz, ISO-15693, ISO-14443A, ISO-14443B	
	Camera	Auto-focus 5M pixel camera	
	Smart Card Reader	Complies with ISO7816-1,2,3,T=1 and T=0 protocol	
	DICOM	DICOM pre-set	
Optional Touchscreen	Type	Projected Capacitive 10-points (AR)	Projected Capacitive 10-point (AG)
	Resolution	Continuous	Continuous
	Light Transmission	90%	80%
	Controller	USB interface	USB interface
	Durability	>100 million touches	>100 million touch
	IP Rating	Entire System	IP-54
Certifications	FCC class B; CE; IEC 60601-1/60601-1-2, UL60601-1; EN60601-1		
Environment	Temperature	Operating: 0° C ~ +40° C, Storage: -20° C ~ +60° C	
	Humidity	Operating: 10% ~ 90%@40° C non-condensed; Storage: 5% ~ 95%@40° C non-condensed	
	Shock Resistance	20G peak acceleration (11ms duration)	
Physical Characteristics	Dimensions (W x D x H)	583 x 386 x 69 mm (22.95" x 15.19" x 2.71")	
	Weight (Bare system)	7.95 kg (17.52 lb.)	
	VESA Mount	100 x 100; 75 x 75	

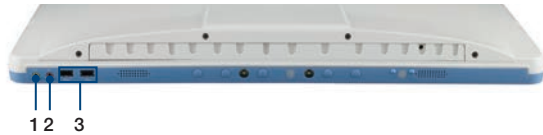
## Dimensions

Unit: mm



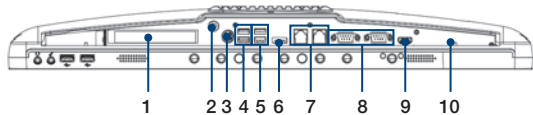
## I/O Ports

### Front



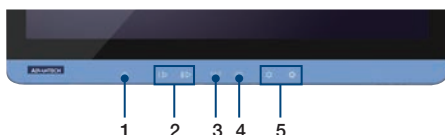
- (1) Speaker Out
- (2) MIC-in
- (3) 2 USB 2.0

### Rear



- (1) PCIe (x4) card slot
- (2) Equipotential Terminal Pin
- (3) DC in
- (4) 2 x USB 2.0 ports
- (5) 2 x USB 3.0 ports
- (6) Displayport
- (7) 2 x Gigabit Ethernet interfaces (RJ-45)
- (8) 2 x RS-232/422/485(isolated) serial port
- (9) HDMI
- (10) iDoor Module

## Front Function Keys



- (1) Power
- (2) Volume Down/Up
- (3) Touchscreen Status Control
- (4) Read Light Control
- (5) Brightness Decrease/Increase

## Ordering Information

Part Number	Description
POC-W243-A11D-ACE	POC-W243 IP54 w/Corei7/ P-cap/RAM/iDoor
POC-W243-B11D-ACE	POC-W243 IP54 w/Corei5/ P-cap/RAM/iDoor

## iDoor Module

Option	Description
Option 1	USB2.0 2 port card
Option 2	IEEE 1394 Fireware card
Option 3	RS-232/422/485 2-port card

## Accessories

Part Number	Description
PDC-W215-STAND-H3E	PDC-W215 STAND_H3-741L type_6~12kg Black
1702002600	Power Cable (USA) 1.8 M
1702002605	Power Cable (Europe) 1.8 M
1700018704	Power Cord (UK) 1.8 M

## Optional Modules

Part Number	Description
POC-W24X-BTTE	Battery module
POC-W242-BT0E	Bluetooth module
POC-W242-WF0E	Wireless module (802.11a/b/g/n)
POC-W24x-RF0E	RFID module

For information about Smart Card module, DICOM, 5M pixel camera, contact Advantech Sales team.

## PCIe Module

Part Number	Description
96SER-9PN-2P-PE-UP	UPMOST RS-232 CARD 9PIN 2PORT PCIE(G)
96FW-400-2P-PE-UP	UPMOST 1394 FIREWIRE CARD 2 PORT PCIE(G)
PCIE-1602C-AE	2-port RS-232/422/485 PCIE Comm. Card w/Iso
DMS-IR06-00A1E	Dual LAN port
PCE-USB4-00A1E	4 USB3.0 Ports expansion card(PCIEx4)