POC-W243

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

Features

- Runs on Intel® 6th generation, Skylake processor with a fanless, high performance profile
- 24" full HD resolution, IPS LCD with edge to edge, bezel-less design
- USB 3.0 and PCIex4 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* (Supports Intel® PTT Technology)	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/m²	
	Backlight	LED	
	LCD MTBF	30,000 Hours	
	Contrast Ratio	1000 : 1	
Expansion Slot	Mini PCIe (mSATA)	2 (Mini PCIe: 1 full-size, 1 half-size)	
	PCIe	1x PCIe (x4) slot (Max. card length: 167.65mm) (Supports Gen 1/2/3)	
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	
	Audio	2 x 2W speakers; 1 x MIC-in and speaker-out	
Storage	SSD (Default)	128GB SSD	
	HDD/mSATA (Optional)	2.5" SATA HDD instead of SSD*, Mini PCIe mSATA	
Power Supply	DC Model	AC/DC adapter (Sinpro Model no. HPU101-107)	
	Input Voltage	90 ~ 260 V_{AC}, 1.35 ~ 0.5 A, 47 ~ 63 Hz	
	Output Voltage	18 V_{DC}, 5.55A Max. (100 watts)	
Optional Functions	Battery	3S1P 1750mAH, supports 0.5hr backup operation (Adding the battery will shorten available PCIe x4 slot space inserted)	
	WLAN & Bluetooth	Qualcomm Atheros Dual-band (2.4/5GHz) 802.11 a/b/g/n/ac 2Tx/2Rx WiFi & Bluetooth v4.1	
	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	
Optional Touchscreen	Type	Projected Capactive 10-points (Clear)	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, Alcohol resistance for cleaning purposes	
	Front Panel	IP65	
Certifications		EN60601-1 Edition 3.1 compliance, UL60601-1 Edition 3.1, and CE & FCC Edition 4.0 Class B certified	
Environment	Temperature	Operating: 0° C ~ +40° C, Storage: -20° C ~ +60° C	
	Humidity	Operating: 10% ~ 90%@40°C non-condensed; Storage: 5% ~ 90%@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	

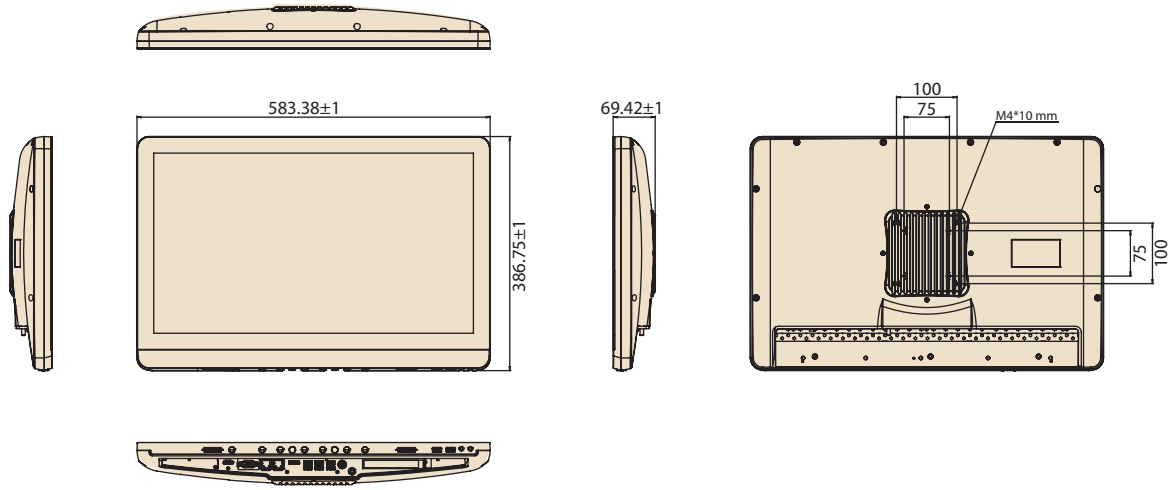
* = Customized solution contact Advantech sales team for more information

All product specifications are subject to change without notice.

Last updated: 5-Jul-2019

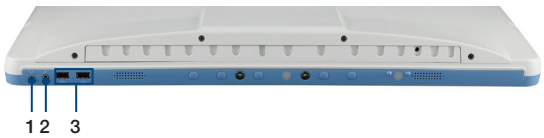
Dimensions

Unit: mm



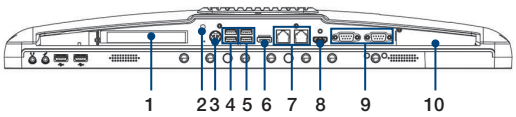
I/O Ports

Front



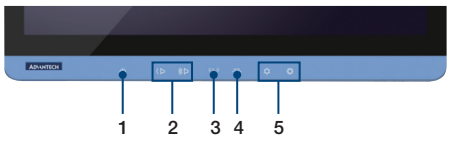
(1) Speaker Out
(2) MIC-in
(3) 2 USB 2.0

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) HDMI
(9) 2 x RS-232/422/485(isolated) serial port
(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	CPU	DRAM	Touch Panel	SSD
POC-W243-A11D-ACE	Core i7-6600U 2.6G	4GB	P-CAP	128GB
POC-W243-B11D-ACE	Core i5-6300U 2.4G	4GB	P-CAP	128GB
POC-W243-C11D-ACE	Celeron 3955U 2.0G	4GB	P-CAP	128GB

iDoor Module

Option	Description
Option 1	USB2.0 2 port card
Option 2	IEEE 1394 Firewire 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-W21X-BA0E	Battery Pack, 3S1P, 1750 mAh
POC-W243-WF3E	WLAN (802.11 a/b/g/n/ac) and Bluetooth 4.1 Module

For information about 5M Pixel camera, RFID & Smart card, contact Advantech sales team

PCIe Module

Part Number	Description
96SER-9PN-2P-PE-UP	UPMOST RS-232 CARD 9PIN 2PORT PCIE(G)
XAESC-1213	UPMOST UTB101 1394A EXPANSION CARD
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)

Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.

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Pravidelní zákazníci u nás nakupují za nižší ceny. Výše slevy se odvíjí od realizovaného obratu.

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