

# POC-S199

## 19" Slim Point-of-Care Terminal with IP54 Enclosure and Multi-touch Screen



### Features

- 19" LCD display with 16.7 M colors
- 6th Generation Intel® Core™ i7/i5/i3/Celeron® processor
- True flat panel with multi-touch projective capacitive touchscreen
- Fanless design with full system IP54 dust and splash protection
- Isolated design provides unique electric leakage protection for COM and LAN ports
- UL60601-1/EN60601-1 Ed. 3.1 certified ensures highest levels of safety and reliability
- Optional Bluetooth, RFID, WLAN, and Li-ion battery pack
- Built-in POC intelligent software solution for easy management



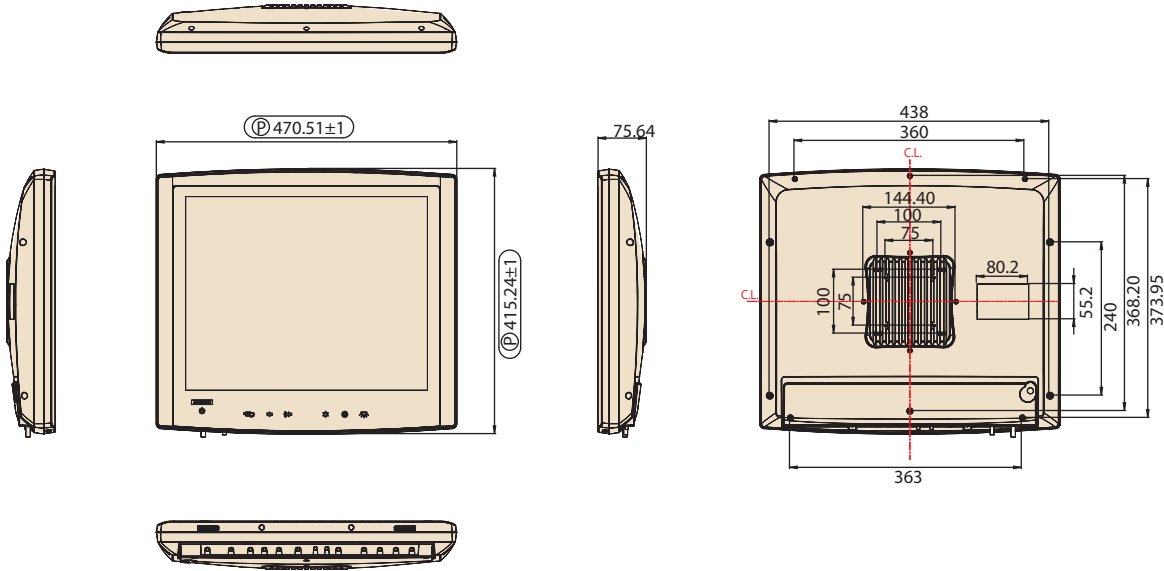
### Specifications

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) (by project) Intel® Celeron® Processor 3955U (2M Cache, 2.00 GHz) (by project)
	Memory	DDR4-1866/2133 SODIMM (up to 32GB)
	Graphics Controller	Intel HD Graphics 520/510
	Operating System	Windows 10 IoT / Windows 7
	Display	Display Size / Back-light / Colors
Expansion Slot	Max. Resolution	1280 x 1024 (H x V) (0.294mm x 0.294mm per pixel)
	Luminance / Uniformity	350 cd/m <sup>2</sup> / Uniformity = 80%
	LED life time	70,000 Hours
	Contrast Ratio	1000 : 1
	Response time / Viewing angle	10ms / 170(H) & 160(H)
	Mini PCIe(mSATA)	2 (Mini PCIe: 1 full-size, 1 half-size)
I/O Ports	PCIe	1 x PCIe (x4) slot (Max. card length: 167 mm)
	Serial Ports	2 x RS-232/422/485 (1.5kV isolation) serial ports
	USB 3.0 Ports	2 ports
	USB 2.0 Ports	2 ports
	Audio	2 speakers
	HDMI	1 x HDMI max resolution 4096x2304@24Hz
	Displayport	1 x DP max resolution 4096x2304@60Hz
Power Supply	LAN Ports	2 x Gigabit Ethernet (1.5kV isolation) interfaces (RJ-45)
	DC Model	AC/DC adapter (Sinpro Model no.HPU101-107)
	Input Voltage	100-240 V <sub>AC</sub> , 1.35 ~ 0.5 A, 47 ~ 63 Hz
	Output Voltage	+18 V <sub>DC</sub> , 5.55 A max. (100 watts)
Optional Functions	Battery	3S1P 1750MAH, supports 0.5hr backup operation (Adding the battery will shorten available PCIe x4 slot space inserted)
	HDD/SSD/ mSATA	2.5" HDD/ SSD, mini-PCIe mSATA
	Wireless	IEEE 802.11 ac/a/b/g/n, Wi-Fi with Bluetooth v4.1 M.2 Combo
	RFID	13.56MHz, ISO-15693, ISO-14443A, ISO-14443B
	Smart Card Reader	Complies with ISO7816-1,2,3,T=1 and T=0 protocol
Touchscreen	Type	Projected Capacitive 10-point (AG)
	Resolution	Continuous
	Light Transmission	80%
	Controller	USB Interface
	Durability	>100 million touch
IP Rating	Front Panel	IP65
	Full System	IP54 (without Smart Card Reader opening)
Certifications		UL60601-1/EN60601-1 Ed. 3.1, CE & FCC Class B certified
Environment	Temperature	0 ~ 40° C (32 ~ 104° F) (Operating) -20 ~ 60° C (-4 ~ 140° F) (Storage/Transportation)
	Humidity (non-condensing)	10 ~ 90% @ 40° C (Operating) 0 ~ 90% @ 40° C (Storage/Transportation)
	Shock Resistance	20 G peak acceleration (11 ms duration)
	Dimensions (W x H x D)	470.5 x 415.2 x 75.64 mm (18.52" x 16.35" x 2.98")
Physical Characteristics	Weight	7.4 kg (16.31 lb)
	VESA Mount	100x100 mm, 75x75 mm

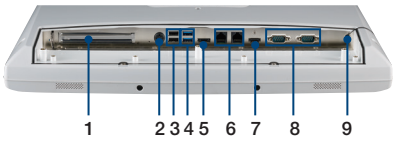
\* Viewing Angle and Luminance are measured by in relation to the display module. Values can vary based on different materials used in top layer.

**Dimensions**

Unit: mm



**I/O Ports**



- (1) PCIe(x4) card slot
- (2) DC-IN
- (3) 2 x USB 2.0 ports
- (4) 2 x USB 3.0 ports
- (5) Displayport
- (6) 2 x Gigabit Ethernet interfaces (RJ-45)
- (7) HDMI port out
- (8) 2 x RS-232/422/485(isolated) serial port
- (9) Equipotential terminal pin

**Function Keys**



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

**Ordering Information**

Part Number	CPU	RAM	Touch Panel	HDD
POC-S199-A11D-ACE	i7-6600U 2.6G	4GB	P-CAP	500GB
POC-S199-B11D-ACE	i5-6300U 2.4G	4GB	P-CAP	500GB

**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-S199-WF1E	Wi-Fi/BT4.1 (802.11a/b/g/n/ac) for POC-S199
POC-W21X-BA0E	Battery Pack, 3S1P, 1750 mAh

For information about RFID, contact Advantech sales team

**PCIe Expansion**

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