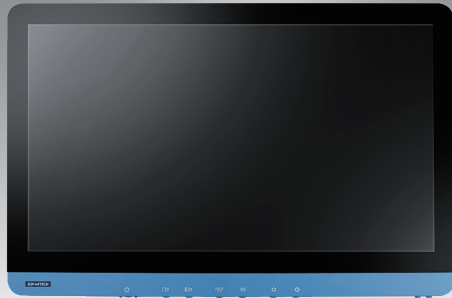


# POC-624

## 24" Point-of-Care Terminal with 8th Generation Intel® Processor



### Features

- 8th generation Intel® Core™ i5/i7 processor
- 23.8" full HD display with multi-touch P-CAP control
- Multiple I/O, including USB 3.2 Gen 2 (Type A), USB 3.2 Gen 2 (Type C) with display function, and HDMI
- PCIe x4, mini PCIe, M.2 expansion slots for integrating add-on modules
- Fanless design with IP54-rated protection for superior hygiene and infection control
- Equipped with Advantech's DeviceOn device management software
- Optional Wi-Fi, Bluetooth, RFID, smart card reader, Li-ion battery pack, and auto-focus 5 megapixel camera
- Optional hot-swapping battery module with up to 180Wh capacity for mobile applications

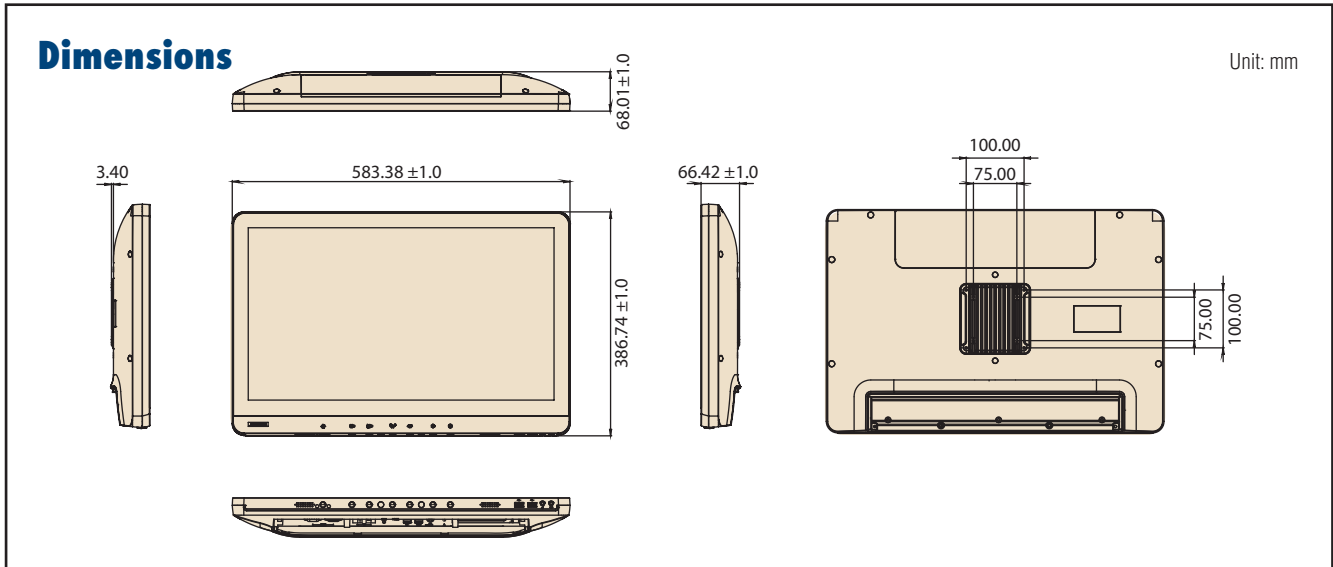


### Specifications

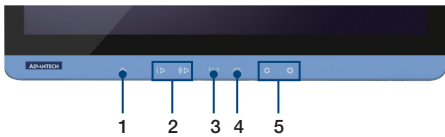
System	Processor*	Intel® Core™ i7-8665UE (8M cache, up to 4.40 GHz) Intel® Core™ i5-8365UE (6M cache, up to 4.10 GHz)
	Memory (default)	8G DDR4 (supports up to 32GB DDR4 SODIMM)
	Operating System (optional)	Windows 10 IoT Ent (64 bits only), Linux (supported upon request)
Storage	Primary Storage (default)	NVME SSD 256GB (M.2 2280)
	Secondary Storage (optional)	2.5" SATA SSD available
Display	Size	23.8 inch
	Max. Resolution	1920 x 1080
Touch	Type	10-point multi touch P-CAP (clear glass); optional AG/AR support upon request
I/O	USB 3.2 Gen 2 (Type A)	2
	USB 3.2 Gen 2 (Type C)	1 (with display function)
	USB 2.0 Type A	4
	HDMI	1
	LAN isolation, 1.5KV	2
	Mic-In/Headphone-Out	1/1
	COM (RS232) 1.5KV	2
Expansion Slots	PCIe x4**	1 (card length: 167.65 mm/6.6 in)
	M.2 2230	1 (for Wi-Fi/Bluetooth module)
	Mini PCIe	1 (full size)
Other Functions	Speaker	2 x 2W
	LED Book Light	2
	Camera	1 x 5 megapixel (optional)
	TPM 1.2/2.0	2.0 (default via software)
Power Input	DC/AC	DC model: 18V, max. 100W/AC model: 100 ~ 240V, max. 150W (choose either DC or AC model)
IP Rating	Front Panel	IP65
	System	IP54
Authentication Solution (Choose 1)	RFID Reader	Optional (choose either RFID or smart card reader)
	Smart Card Reader	Optional (choose either RFID or smart card reader)
Battery Solutions (Choose 1)	Backup Battery**	Optional (choose either backup battery or PCIe x4)
	Hot-Swapping Battery Module	Optional with 2 x batteries (choose either backup battery or battery module)
Certification	EMC & Safety	Medical CE, FCC (IEC 60601-1-2, 4th edition)
		EN 60601-1 Compliance
		UL 60601-1
Physical Characteristics	Dimensions (W x H x D)	583 x 387 x 68 mm/22.95 x 15.2 x 2.68 in
	VESA Mount	100 x 100; 75 x 75 mm
	Weight	7.78 kg/17.15 lb
Environment	Operating Temperature	0 ~ 35 °C/32 ~ 95 °F
	Storage Temperature	0 ~ 50 °C/32 ~ 122 °F
Warranty	System	3 years
	Battery Pack	1 year or capacity 70% and 300 cycles (whichever happens first)

\*Intel® Celeron® processor available upon request.

\*\*Either PCIe x4 or backup battery can be chosen.

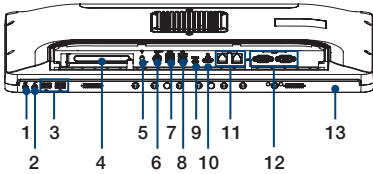


### Front Function Keys



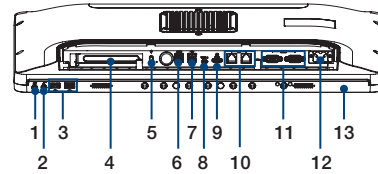
- 1. Power button
- 2. Volume down/up
- 3. Touchscreen status control
- 4. Read light control
- 5. Brightness down/up

### I/O Ports (DC Model)



- 1. Headphone-out
- 2. Mic-in
- 3. 2 x USB 2.0
- 4. 1 x PCIe x4 slot
- 5. Equipotential terminal pin
- 6. DC-in
- 7. 2 x USB 3.2 (Type A)
- 8. 2 x USB 2.0
- 9. 1 x USB 3.2 (Type C)
- 10. HDMI
- 11. 2 x Gigabit Ethernet
- 12. 2 x COM (RS-232)
- 13. Smart card reader (optional)

### I/O Ports (AC Model)



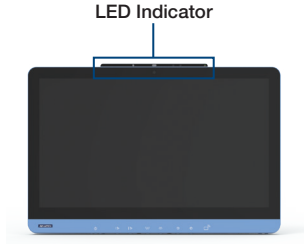
- 1. Headphone-out
- 2. Mic-in
- 3. 2 x USB 2.0
- 4. 1 x PCIe x4 slot
- 5. Equipotential terminal pin
- 6. 2 x USB 3.2 (Type A)
- 7. 2 x USB 2.0
- 8. 1 x USB 3.2 (Type C)
- 9. HDMI
- 10. 2 x Gigabit Ethernet
- 11. 2 x COM (RS-232)
- 12. AC-in
- 13. Smart card reader (optional)

### Ordering Information

Part Number (DC Model)	Part Number (AC Model)	Description	CPU*	RAM	Touch	SSD	RFID
POC-624-11A11D-CA	POC-624-01A11D-CA	Intel® Core i7, 8GB memory, 256GB SSD, IP54, 2 x COM 1.5KV, and clear glass with P-CAP touch	i7	8GB	P-CAP	256GB	
POC-624-11A11R-CA	POC-624-01A11R-CA	Intel® Core i7, 8GB memory, 256GB SSD, IP54, 2 x COM 1.5KV, RFID reader, and clear glass with P-CAP touch	i7	8GB	P-CAP	256GB	Yes
POC-624-11B11D-CA	POC-624-01B11D-CA	Intel® Core i5, 8GB memory, 256GB SSD, IP54, 2 x COM 1.5KV, and clear glass with P-CAP touch	i5	8GB	P-CAP	256GB	
POC-624-11B11R-CA	POC-624-01B11R-CA	Intel® Core i5, 8GB memory, 256GB SSD, IP54, 2 x COM 1.5KV, RFID reader, and clear glass with P-CAP touch	i5	8GB	P-CAP	256GB	Yes

## Accessories

### Hot-Swapping Battery Module



Battery module contains 2 x battery packs



### Backup Battery (Internal)



### Charging Station



### Battery Packs



## Battery Modules

Part Number	Description
POC-BAT-101-6A*	Backup battery (internal)
POC-BAT-201-62*	Hot-swapping battery module for POC-621/624
POC-IPSM90B2	Battery pack (2 x pcs) of POC power system
POC-IPSM90CS3	Charging station (3 x slots) of POC power system

\*Choose either a backup battery or hot-swapping battery module.

## Power Cord

Region	Part Number (DC Model)	Part Number (AC Model)
USA (Thailand, Philippines)	1702002600	1700001524
Europe (Indonesia)	1702002605	170203183C
UK (Singapore, Malaysia)	1700018704	170203180A
Japan (PSE)	1700000237	1700008921

## CTOS Service

### Ordering Information (Barebone Units)

Part Number (DC Model)	Part Number (AC Model)	Description	CPU	RAM	Touch	SSD
POC-624-11A110-CA	POC-624-01A110-CA	Intel® Core i7, IP54, 2 x COM 1.5KV, and clear glass with P-CAP touch (without memory and SSD)	i7	NA	P-CAP	NA
POC-624-11B110-CA	POC-624-01B110-CA	Intel® Core i5, IP54, 2 x COM 1.5KV, and clear glass with P-CAP touch (without memory and SSD)	i5	NA	P-CAP	NA

### Component Offerings

#### Memory

Part Number	Description
SQR-SD4N4G2K6SNEFB	260-pin SODIMM DDR4 2666 4GB
SQR-SD4N8G2K6SNBCB	260-pin SODIMM DDR4 2666 8GB
SQR-SD4N16G2K6SNCB	260-pin SODIMM DDR4 2666 16GB
SQR-SD4M4G2K4SNEEB	260-pin SODIMM DDR4 2400 4GB
SQR-SD4M8G2K4SNEEB	260-pin SODIMM DDR4 2400 8GB
SQR-SD4M16G2K4SNBB	260-pin SODIMM DDR4 2400 16GB
AQD-SD4U4GN24-SG	260-pin SODIMM DDR4 2400 4GB
AQD-SD4U8GN24-SE	260-pin SODIMM DDR4 2400 8GB
AQD-SD4U16N24-SE	260-pin SODIMM DDR4 2400 16GB

#### Wi-Fi + BT Module

Part Number	Description
EWM-W192M202E	Intel® Dual Band Wireless-AC 9260
968AD00078	Intel® Dual Band Wireless-AC 8265

#### NVME SSD Storage

Part Number	Description
96FD80-P128-LIS	SSSTC M.2 2280 128GB PCIe Gen3 x4 SSD
96FD80-P256-LIS	SSSTC M.2 2280 256GB PCIe Gen3 x4 SSD TLC
96FD80-P512-LIS	SSSTC M.2 2280 512GB PCIe Gen3 x4 SSD TLC
96FD80-P1TB-LIS	Lite-on M.2 2280 1TB PCIe Gen3 x4 SSD TLC
SQF-CM8V2-128G-E8C	SQF M.2 2280 710 128GB 3D NAND
SQF-CM8V4-256G-E8C	SQF M.2 2280 710 256GB 3D NAND
SQF-CM8V4-512G-E8C	SQF M.2 2280 710 512GB 3D NAND

#### Power Cord

Region	Part Number (DC Model)	Part Number (AC Model)
USA (Thailand, Philippines)	1702002600	1700001524
Europe (Indonesia)	1702002605	170203183C
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