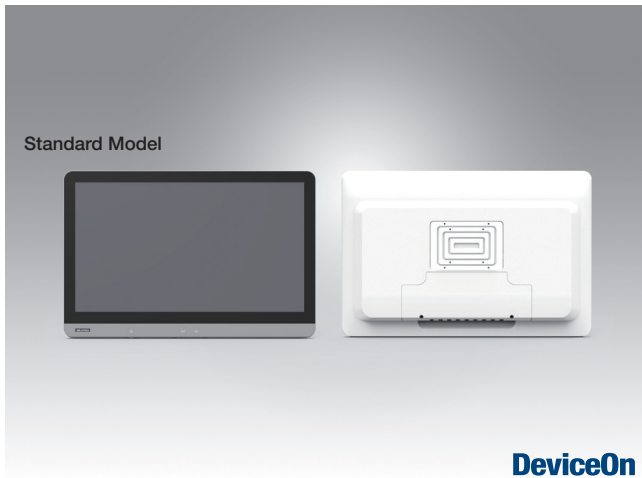


POC-424

24" Point-of-Care Terminal with 16th Generation Intel® Processor



Features

- 16th generation Intel® Core™
- 23.8" full HD display with multi-touch P-CAP control, Default with Anti-Glare touch
- Optical Bonding Design
- M.2 expansion slots for integrating add-on modules
- Fanless design with upgrade IP54-rated protection for superior hygiene and infection control
- Equipped with Advantech's DeviceOn device management software
- Optional Wi-Fi 6, Bluetooth, Dual RFID, smart card reader and auto-focus 5 megapixel camera
- Isolated I/O ports are supported



Introduction

POC-424, featuring an integrated NVME SSD for real-time data processing and storage. Compliant with IEC/EN60601-1-2 Medical EMC standards, POC-424 terminals ensure reliable operation in diverse healthcare environments.

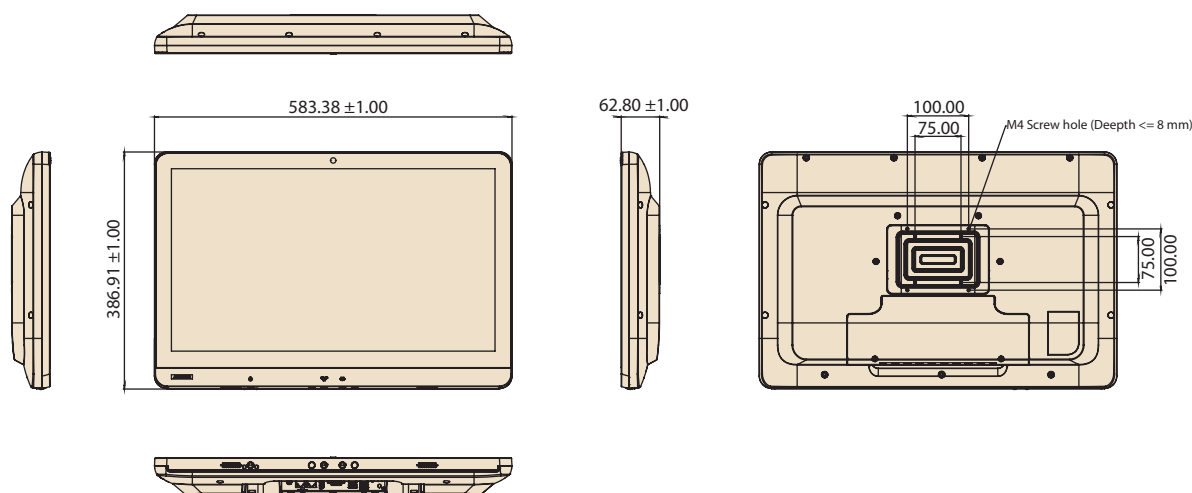
Moreover, POC-424 is equipped with Advantech's DeviceOn software, which is a next-generation unified device management solution based on the WISE-DeviceOn platform. With support for batch operations and multi-device control, DeviceOn enables easy device configuration and deployment for convenient remote device management.

Specifications

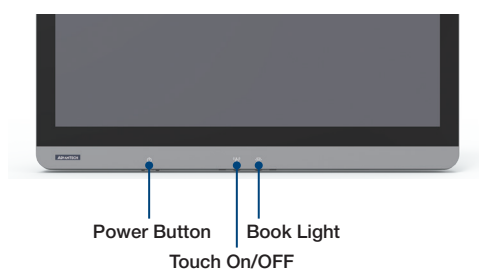
System	Processor	16 th generation Intel® Core™ i3 304
	Memory (default)	Memory (default) 16GB DDR5 (supports up to 64GB DDR5-5600 SODIMM) Operating System (optional): Windows 11 Pro (64 bits only), Ubuntu 22.04, Windows 11 IoT Ent (64 bits only)
Storage	Primary Storage (optional)	NVME M.2 SSD 256GB (M.2 2280)
Display	Size	23.8"
	Max Resolution	1920 x 1080 (FHD)
	Contrast Ratio	1000
	Touch Function	10-point multi touch P-CAP, AG (Anti-Glare), Optical bonding
I/O	USB 3.2 Type A	4
	USB 3 Type C	1 (With 30W, Maximum 5V/3A & 9V/3A & 15V/2A & 20V/1.5A, power delivery, and ALT mode support.)
	HDMI	1
	LAN (1.5KV Isolation)	2
	COM (RS232/422 By BIOS to choose)	1 (Optional USB 2.0 x 2)
	Mic in/head phone out	1 TRRS port
Expansion Slots	M.2 2230 E. Key	1 (for Wi-Fi 6/Bluetooth 5.3 module)
	iDoor	4KV idoor (1COM+2USB); 1.5KV idoor (1COM), optional by iDoor
Other Functions	Power Button	1
	Speaker	2 x 2W
	Book Light	Support
	Camera	1x 4K resolution (3840 x 2160) up to 30 fps
	TPM 1.2/2.0	2.0
Power Input	DC / AC	DC 19V (Medical DC Jack pin)
IP Rating	Front Panel	IP65
	System	IP54 (I/O with cover) without Battery
Authentication Solution (Either or)	RFID Reader	Optional (select either RFID or Smart Card Reader)
	Smart Card Reader	Optional (select either RFID or Smart Card Reader)
Certificate	EMC & Safety	Medical CE (EN60601-1-2 4th Edition)
		EN60601-1 Compliance
		MDR
		RED ErP
Physical Characteristics	Dimensions (W x H x D)	583 x 387 x 63 mm/22.95 x 15.2 x 2.48 in (Standard Model)
	Weight	7.78 kg/17.15 lb (Standard Model)
	VESA Mount	100 x 100; 75 x 75 mm
Environment	Temperature	0 - 35 °C/32 - 95 °F (Operating) 0 - 50 °C/32 - 122 °F (Storage)
	Humidity	95%, 40°C (Operating) 95%, 60°C (Storage)
	Shock Resistance	10G peak acceleration (11 ms duration)
Warranty	System	3 year

Standard Model Dimensions

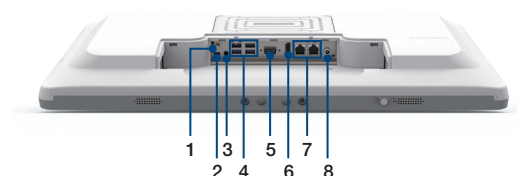
Unit: mm



Front Function Keys



I/O Ports



1. Equipotential terminal PIN
2. 1 x Type C
3. Mic in/Headphone out
4. 4 x USB 3.2
5. 1 x COM port (RS232/422)
6. 1 x HDMI
7. 2 x Giggabit Ethernet (Isolation)
8. DC.IN 19V

Ordering information

Level	Part number	Description	CPU	DRAM	Battery	Touch	SSD	WIFI & BlueTooth
Medical	POC-424-16D01D-CE	23.8", 16th, i3, 16G R, 256G, WF6, IP54, Standard	i3 304	16G DDR5	N.A	AG, Optical bonding	256G M.2	WIFI 6 & BlueTooth 5.3

Memory DDR5

Part number	Description
XAP-S5DS8G56TE46C	TWSC 8GB DDR5 5600 SO-DIMM 1Rx16 0-85
XOG-5DSAG0856CA46C	TWSC 16GB D5 5600 SO-DIMM 2Rx8 0-85
XAP-S5D32G56HB46S	TWSC 32GB DDR5 5600 SO-DIMM 2Rx8 0-85

M.2 2280 SQF NVME

Part number	Description
XOG-WAN256D2F1T40W	TWSC 256GB EP1021 M.2 2280 Gen3x4 (-40-85)
XMS-IEF512CYFUHW	TWSC 512GB EP1021 M.2 2280 Gen4x4 (-40-85)