

POC-621-12

21.5" Medical grade surgical video recorder (4K and Full HD)



Features

- 11th generation Intel core i processor
- 21.5" full HD display with multi-touch P-CAP control
- Upto dual HDMI video input (SDI port is optional)
- Available with 1TB, 2TB and 4TB SSD
- Medical grade fanless design with IP54



Introduction

POC-621 is equipped with an integrated NVME SSD that facilitates real-time data processing and storage. Compliant with IEC 60601-1 medical safety standards for electrical devices, POC-6 terminals are built for reliable operation in a wide range of healthcare environments. Moreover, POC-621 is equipped with Advantech's DeviceOn/iService 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/iService enables easy device configuration and deployment for convenient remote device management.

Specifications

System	Processor*	Intel® Core™ i7-1185G7E (12M cache, up to 4.40 GHz) Intel® Core™ i5-1145G7E (8M cache, up to 4.10 GHz)
	Memory (optional)	DDR4 (supports up to 64GB DDR4 SODIMM)
	Operating System (optional)	Windows 10 IoT Ent (64 bits only), Linux (supported upon request)
Storage	Primary Storage (optional)	NVME SSD (M.2 2280)
	Secondary Storage (optional)	2.5" SATA SSD available (choose either 2.5" SSD or backup battery)
Display	Size	21.5 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)	4
	USB 3.2 Gen 2 (Type C)	1 (with display function)
	USB 2.0 Type A	2
	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 Max)
	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 2.0	2.0 (default via fTPM –Firmware TPM)
Power Input	DC/AC	DC model: 19V, max. 150W/AC model: 100 ~ 240V, max. 250W (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 1 backup battery or PCIex4)
	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
Physical Characteristics	Dimensions (W x H x D)	524 x 357 x 62 mm/20.63 x 14.06 x 2.44 in
	VESA Mount	100 x 100; 75 x 75
	Weight	6.29 kg/13.86 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)

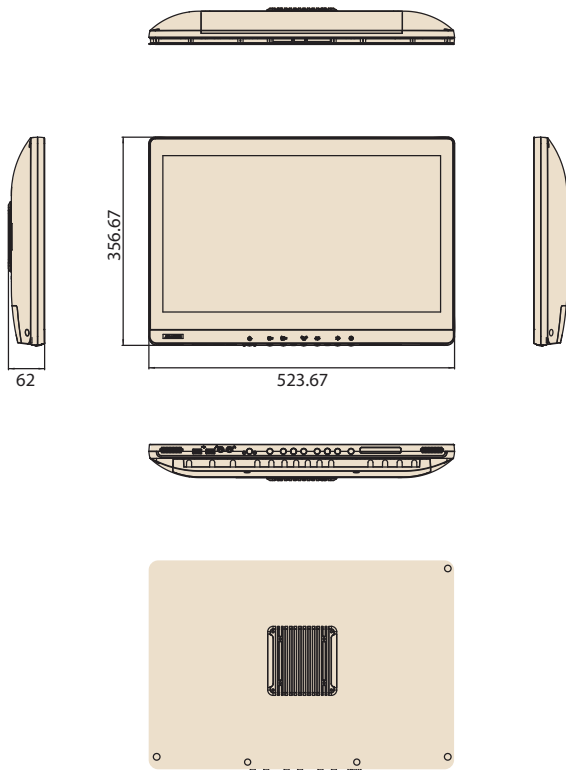
*Intel® Celeron® processor available upon request.

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

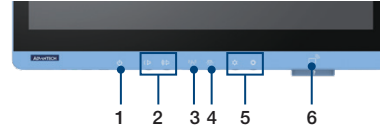
***If backup battery is chosen, neither a 2.5" SSD nor battery module can be installed.

Dimensions

Unit: mm

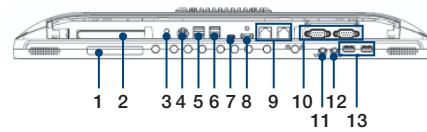


Front Function Keys



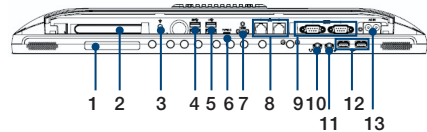
- | | |
|-------------------------------|-----------------------------------|
| 1. Power button | 4. Read light control |
| 2. Volume down/up | 5. Brightness down/up |
| 3. Touchscreen status control | 6. RFID or smart card reader slot |

I/O Ports (DC Model)



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

I/O Ports (AC Model)



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