

POC-621

21" Point-of-Care Terminal with 15th Generation Intel Processor



Features

- 15th generation Intel Core Ultra 7/ Ultra 5 225H processor integrated AI engine function
- 21.5" full HD display with multi-touch P-CAP control
- Default with Anti-Glare touch
- 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, M.2 expansion slots to reach AI workload
- Fanless design with IP54-rated protection for superior hygiene and infection control
- Optional Wi-Fi, Bluetooth, RFID, Barcode reader, Li-ion battery pack, 4K pixel camera and Mic array for future edge AI application

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.

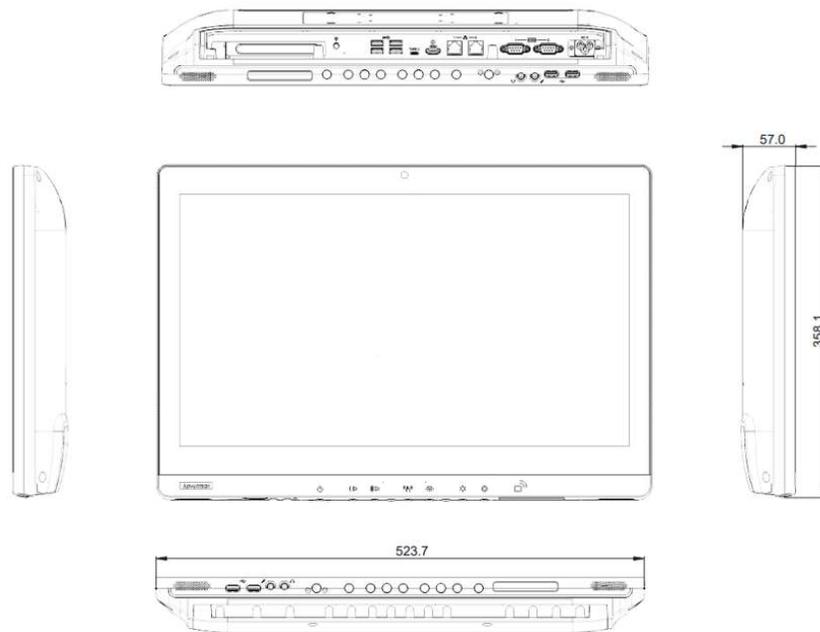
Specifications

| | | |
|--------------------------|-----------------------------|--|
| System | Processor | Intel® Core™ Ultra 7 Processor 255H/ Ultra 5 Processor 225H |
| | Memory (optional) | DDR5 (max total 64GB) |
| | Storage (optional) | 2 x NVME SSD (M.2 2280) |
| | Operating System (optional) | Win 11 Pro/Win 11 Ent. LTSC/Ubuntu 20.04 |
| Display | Size | 21.5 inch |
| | Max. Resolution | 1920 x 1080 |
| | Screen Max. luminance | 250 nits |
| Touch | Type | 10-point multi-touch P-CAP with Anti-glare |
| 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 (Gen 3) * | 1 (card length: 167.65mm/6.6 in Max) |
| | M.2 2230 | 1 (for Wi-Fi/Bluetooth module) |
| | M.2 2280 | 2 (reserve to NVME SSD and second M.2 slot for AI accelerate card or second storage) |
| Other Functions | Speaker | 2 x 2W |
| | LED Book Light | 2 |
| | Mic Array | Omnidirectional mic array with 2 microphones (optional) |
| | Camera | 1x 4K resolution (3840 x 2160) up to 30 fps (optional) |
| | WiFi and Bluetooth | Wi-Fi 6 + BT Module 2.4/5/6GHz M.2 2230 No.Vpro (optional) |
| | TPM 2.0 | 2.0 (default via fTPM –Firmware TPM) |
| | Built-in battery backup | Lithium-ion battery (optional) |
| Housing | Material | Plastic with optional Anti-Microbial coating |
| Power Input | AC | 100 ~ 240V, max. 150W |
| IP Rating | Front Panel | IP65 |
| | System | IP54 |
| Authentication Solution | RFID Reader | Optional (either RFID or SCR) |
| | Smart Card Reader | Optional, (either RFID or SCR) |
| | Barcode Reader | Optional, external module |
| Certification | EMC & Safety | Medical CE, FCC (IEC 60601-1-2, 4th edition) EN 60601-1 Compliance |
| | Green | RoHS REACH |
| Physical Characteristics | Dimensions (L x W x H) | 524 x 357 x 62 mm/20.63 x 14.06 x 2.44 in |
| | VESA Mount | 100 x 100; 75 x 75 |
| | Weight | Net weight: 7 kg |
| Environment | Operating Temperature | 0 ~ 35 °C/32 ~ 95 °F |
| | Storage Temperature | 0 ~ 50 °C/32 ~ 122 °F |
| Warranty | System | 3 years |
| | Backup battery pack | 1 year or capacity 70% and 300 cycles (whichever happens first) |

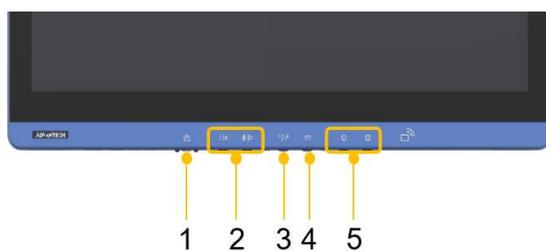
* Either PCIe x4 or backup battery can be chosen.

Dimensions

Unit: mm

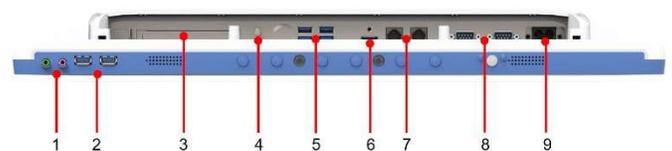


Front Function Keys



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

I/O Ports



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