

# POC-415

## 15" Point-of-Care Terminal with 14<sup>th</sup> Generation Intel Processor



### Features

- 14<sup>th</sup> generation Intel® Core™ Ultra 5 or Ultra 7 processor
- 15.6" full HD display with multi-touch P-CAP control
- M.2 expansion slots for integrating add-on modules
- Fanless design with upgrade IP54-rated front and IP43 rear (with I/O cover) 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
- Equipping battery packs enhances its suitability for medical cart mobility
- Available for adding an additional backup battery for non-stop power during
- Isolated I/O ports are supported
- Medical IEC/EN60601-1-2 compliance



### Introduction

POC-415, featuring an integrated NVME SSD for real-time data processing and storage, now includes the added benefit of enhanced suitability for medical cart mobility through equipping battery packs. Compliant with IEC/EN60601-1-2 Medical EMC standards, POC-415 terminals ensure reliable operation in diverse healthcare environments. Moreover, POC-415 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

|                          |                               |                                                                                                                                      |
|--------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Computing System         | CPU                           | 14 <sup>th</sup> generation Intel® Core™ Ultra 5 125U processor, up to 4.30 GHz or Intel® Core™ Ultra 7 155U processor, up to 4.8GHz |
|                          | Memory                        | Support DDR5 SO-DIMM Memory up to 64GB                                                                                               |
|                          | Operating System (Optional)   | Win 11 Pro/Win 11 Ent. LTSC/Ubuntu 25.10                                                                                             |
| Storage                  | Primary Storage               | Support NVME M.2 2280 SSD (up to 1TB)                                                                                                |
| Display                  | Size                          | 15.6"                                                                                                                                |
|                          | Max Resolution                | 1920 x 1080 Full HD                                                                                                                  |
|                          | Screen Max. luminance         | 350 nits                                                                                                                             |
| Touch                    | Type                          | 10-point multi-touch P-CAP                                                                                                           |
| I/O                      | USB 3.2 Gen 2 (Type A)        | x 4 (each 5V/0.9A)                                                                                                                   |
|                          | USB 3.2 Gen 2 (Type C)*       | x 1 (with Display Function/DP ALT Mode)                                                                                              |
|                          | HDMI                          | x 1                                                                                                                                  |
|                          | LAN(Isolation 1.5KV)          | x 2                                                                                                                                  |
|                          | Mic-In / Headphone out        | x 1                                                                                                                                  |
|                          | COM (RS232) (Isolation 1.5KV) | x 1                                                                                                                                  |
| Other Functions          | Speaker                       | x 2 (2W)                                                                                                                             |
|                          | Camera                        | 5M pixel camera available                                                                                                            |
|                          | TPM                           | 2                                                                                                                                    |
| Power Input              | DC                            | DC 19V (Medical DC 4 pin with lock) / AC 100~240V                                                                                    |
| IP Rating                | Front Panel                   | IP65                                                                                                                                 |
|                          | Rear Cover                    | IP43 (I/O with cover)                                                                                                                |
| Authentication Solution  | RFID                          | Optional                                                                                                                             |
| Battery Solutions        | Backup Battery                | Optional (Chinese market does not support)                                                                                           |
| Certificate              | EMC & Safety Certificate      | Medical CE/FCC                                                                                                                       |
|                          |                               | CCC<br>MDR<br>UL60601-1<br>RED<br>ErP<br>Battery pack: IEC62133, UN38.3                                                              |
| Physical Characteristics | Dimensions (W x D x H)        | 406 x 274 x 61 mm/15.98 x 10.79 x 2.4 in                                                                                             |
|                          | VESA Mount                    | 100 x 100; 75 x 75 mm                                                                                                                |
|                          | Weight                        | 5 kg                                                                                                                                 |
| Environment              | Temperature                   | Operating: 0° C ~ +35° C (thermal condition 0.7m/s airflow)<br>Storage: 0° C ~ +50° C                                                |
|                          | Humidity                      | 95% 40°C (Operating)<br>95% 60°C (Storage)                                                                                           |
|                          | Shock Resistance              | 10G peak acceleration (11 ms duration)                                                                                               |
| Warranty                 | System                        | 3 year                                                                                                                               |
|                          | Battery Pack                  | 1 year or capacity 70% and 300 cycles (whichever happens first)                                                                      |

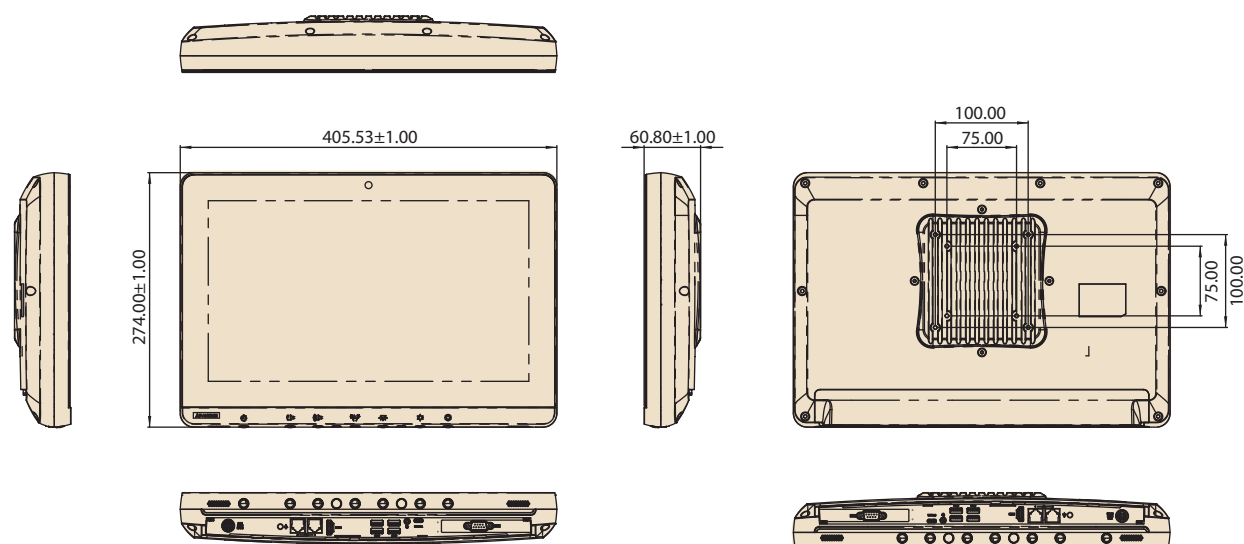
\* (9V/1A) (Powered by a power adapter)

(9V/ 1A) (under Battery discharge mode for power limit)

CAUTION: Exceeding the rated specification may result in burns, reduced component and plastic enclosure life

## Dimensions

Unit: mm



## Order Information

### Standard Model

| Part Number       | Description                                   | CPU     | Memory | SSD  | Wifi       | Battery                   |
|-------------------|-----------------------------------------------|---------|--------|------|------------|---------------------------|
| POC-415-14B210-CE | POC-415, U5/P-cap/WIFI6/1.5KV COMx1/ 8G, 256G | U5 125U | 8G     | 256G | Yes, WIFI6 | *Optional: Battery Module |

## Battery Module

| Part Number  | Description               |
|--------------|---------------------------|
| *98R821BT004 | Backup battery (internal) |

\* Chinese market does not support

## Component Offerings

### M.2 SSD

| Part Number        | Description                                                                    |
|--------------------|--------------------------------------------------------------------------------|
| SQF-C8MV2-256GDFES | SQF PCIe/NVMe M.2 2280 OPAL 730-D, Gen.4, LPM ON, 256G 3D TLC BiCS5 (-20~85°C) |
| SQF-C8MV2-512GDFES | SQF PCIe/NVMe M.2 2280 OPAL 730-D, Gen.4, LPM ON, 512G 3D TLC BiCS5 (-20~85°C) |
| SQF-C8MV4-1TDFES   | SQF PCIe/NVMe M.2 2280 OPAL 730-D, Gen.4, LPM ON, 1T 3D TLC BiCS5 (-20~85°C)   |

### DDR

| Part Number        | Description                                             |
|--------------------|---------------------------------------------------------|
| SQR-SD5N8G5K6SNGPB | 262pin SODIMM DDR5 5600 8GB 1.1v 1Gx16 (0~95°C) Samsung |
| SQR-SD5N16G5K6SNPB | 262pin 5600 2GX8 16GB SODIMM 1.1v 2Gx8 (0~95°C) Samsung |
| SQR-SD5N32G5K6SNPB | 262pin 5600 2GX8 32GB SODIMM 1.1v 2Gx8 (0~95°C) Samsung |

### Power Cord

| Region                      | Part Number (DC Model) |
|-----------------------------|------------------------|
| USA (Thailand, Philippines) | 1702002600             |
| Europe (Indonesia)          | 1702002605             |
| UK (Singapore, Malaysia)    | 1700032693-11          |
| Japan (PSE)                 | 1700000237             |