

# POC-174

## Point-of-Care Terminal with 17" TFT LCD



### Features

- Point-of-Care terminal for eHealthcare/medical applications
- 17" TFT color LCD
- Spill and dust resistant
- UL60601-1/EN60601-1, CE & FCC Class B certified
- 802.11b wireless antenna and touchscreen (optional)

### Introduction

The POC-174 is a medical Point-of-Care Panel PC with a 17" display optimized for minimal power leakage and low EMI. It is approved according to EN60601-1 and UL2601-1 standards. This certifies that there is no interference with medical equipment that can pose a health risk for patients. The POC-174 has also been approved with IP65/NEMA 4 and IPX1 for dust-resistance and water spills. Like the other products in the POC series, the POC-174 has all the characteristics needed for use in critical medical environments. Its high brightness, resolution, and contrast ratio LCD display is especially suitable for medical diagnosis and treatment methods like: CT diagnosis, Electronic X-ray, PACS and DICOM. With a wide range of I/O options, the POC series supply full connectivity, and offer the most secure and practical healthcare terminals for patients and practitioners.

### Specifications

#### General

- **Dimension (W x H x D)** 437 x 377 x 131 mm (17.20" x 14.84" x 5.15")
- **Weight** 12 kg (26.5 lb)
- **Power Supply** AC model: 180 watt  
Input voltage: 100 ~ 240 V<sub>AC</sub>, 4 A max. @ 50 ~ 60 Hz  
Output voltages: +5 V @ 12 A, +12 V @ 12 A  
+3.3 V @ 16.8 A, +5 Vsb @ 2.0 A, -12 V @ 0.8 A  
DC model:  
Input voltage: +24 V<sub>DC</sub>, 7.5 A max  
Output voltage: +5 V @ 10 A, +12 V @ 4 A,  
-12 V @ 1 A, +3.3 V @ 8 A, +5 Vsb @ 0.75 A
- **Fan Dimensions (L x W x H)** 60 x 60 x 10 mm (2.4" x 2.4" x 0.4")
- **Front Panel** IP65/NEMA compliant

#### Standard PC Functions

- **CPU** Intel® Pentium® 4 Mobile up to 2.4 GHz (Long term support with 1.7 GHz and 2.2 GHz)
- **Memory** 2 x 184-pin DIMM socket accepts up to 2 GB DDR 333/266 DRAM
- **HDD** 1 x 2.5" IDE HDD
- **FDD** 1.44 MB
- **CD-ROM** Slim type (Optional: CD-RW/DVD-ROM)

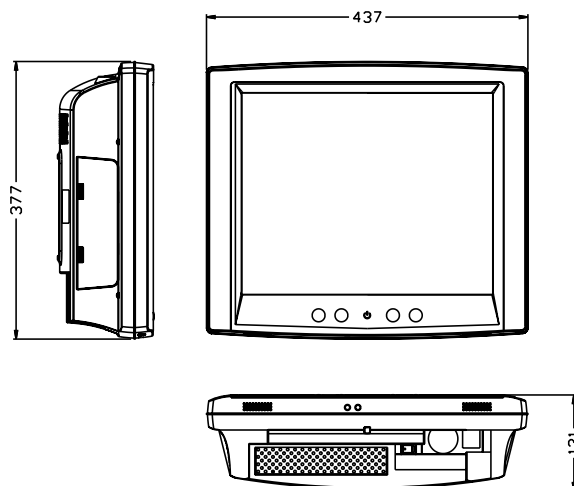
- **PCMCIA** 2 x Type II
- **I/O Ports & Speakers** 3 x RS-232, 1 x RS-232/422/485;  
1 x Parallel port  
2 x USB ports  
1 x PS/2 mouse and keyboard interface  
1 x Mic-in  
1 x Line-in  
1 x Speaker-out  
2 x 1 W speakers
- **Network (LAN)** 2 x 10/100Base-T Ethernet interface
- **Bus Expansion** 1 x PCI 2.2 expansion slot
- **Optional** 802.11b wireless antenna with wireless LAN PCMCIA module

#### Display Specifications

- **Display Type** 17" TFT color LCD
- **Max. Resolution** 1280 x 1024
- **Colors** 16.2 M (6 bit + FRC)
- **Dot Size (mm)** 0.264 x 0.264
- **Viewing Angle** 160°
- **Luminance** 300 cd/m<sup>2</sup>
- **Contrast Ratio** 500 : 1
- **LCD MTBF** 50,000 hours
- **Backlight Lifetime** 50,000 hours

## Dimensions

Unit: mm



## Specifications Cont.

### Environmental Specifications

- **Temperature** 0 ~ 40° C
- **Relative Humidity** 10 ~ 95% @ 40° C (non-condensing)
- **Shock** 50 G peak acceleration (11 ms duration)
- **Power MTBF** 100,000 hours
- **Certifications** CE, FCC, VCCI, BSMI approved
- **AC Model** UL60950, UL60601-1, EN60950, EN60601-1 approved
- **DC Model** FCC, UL60601-1, EN60601-1 approved

### Touchscreen

- **Type** Analog Resistive
- **Resolution** Continuous
- **Light Transmission** 75%
- **Controller** RS-232 interface (use COM4)
- **Durability** 30 million touches

## Ordering Information

Part No.	Description
POC-174CD-AC-AE	POC-174 Bare with CDROM/AC input
POC-174CD-AC-ATE	POC-174 Bare with CDROM/AC input /Res.TS
POC-174CB-AC-AE	POC-174 Bare with COMBO/AC input
POC-174CB-AC-ATE	POC-174 Bare with COMBO/AC input /Res.TS
POC-174 w/ 24VDC Inlet	Production upon order received

### Options

- 802.11b wireless antenna with wireless LAN PCMCIA module

## Mounting

- **VESA** 75 x 75 mm, 100 x 100 mm

