POC-153

Point of Care Terminal with 15" TFT LCD

Features

- Point-of-Care terminal for eHealthcare/Medical Applications
- 350 cd/m2, 500:1 contrast ratio LCD for better X-Ray image quality
- Spill and dust resistant
- UL60601-1/EN60601-1, CE & FCC Class B certified
- 802.11b wireless antenna and touchscreen (optional)

Introduction

The POC-153 is a medical grade multimedia Panel Computer. This medical system is UL60601-1/EN60601-1 approved. The low-current-leakage power supply enables it to act an ideal and secure point-of-care solution for patients and hospital practitioners.

The POC-153 is specially designed to resist spills and water damage, and ensures dust resistance with its protected LCD, sealed ports and card slots. It is equipped with a high brightness 350 cd/m2 LCD. Its 500:1 contrast ratio makes the POC-153 a perfect image terminal in PACS & DICOM applications.

Specifications

General

- **Dimension (W x H x D)**   414 x 339 x 115 mm (16.30" x 13.34" x 4.52 ")
- **Weight**   6.5 kg (14.4 lb)
- **Power Supply**   AC model: 80 Watts
  Input voltage: 100 ~ 250 V_{AC}, 3 A max. @ 50 ~ 60 Hz
  Output voltage: +5 V @ 12 A, +12 V @ 1 A
  DC model: 60 Watts
  Input voltage: 24 V_{DC}, 5 A max or 12 V_{DC}, 7 A max
  Output voltage: +5 V @ 10 A, +12 V @ 1 A
- **Cooling Fan Dim.**   60 x 60 x 10 mm (2.4" x 2.4" x 2.4")
  (L x W x H)
- **Front Panel**   IP65/NEMA 4 compliant

Standard PC Function

- **CPU**   Support socket 370 based Pentium® III/Celeron™ / VIA C3 CPU up to 1.26 GHz
- **Memory**   Supports up to 1 GB SDRAM
- **HDD**   One 2.5" IDE HDD
- **FDD**   1.44 MB
- **CD ROM**   Slim type (Optional: CD RW / DVD ROM)
- **PCMCIA**   Type II x 2
- **I/O Ports & Speakers**   4 Serial ports: RS-232 x 3, RS-232/422/485 x 1,
  1 parallel port
  2 USB ports
  1 PS/2 mouse and keyboard interface
  Micin
  Line-in
  Speaker-out
  1 W speakers x 2

- **Network (LAN)**   10/100 Base-T Ethernet interface
- **Bus Expansion**   One PCI expansion slot
- **Optional**   802.11b wireless antenna with wireless LAN PCMCIA module

Display Specifications

- **Display Type**   15" TFT LCD
- **Max. Resolution**   1024 x 768
- **Colors**   256 K (6 bits/color)
- **Dot Size (mm)**   0.297 x 0.297
- **Viewing Angle**   140 degrees
- **Luminance**   350 cd/m²
- **Contrast Ratio**   500:1
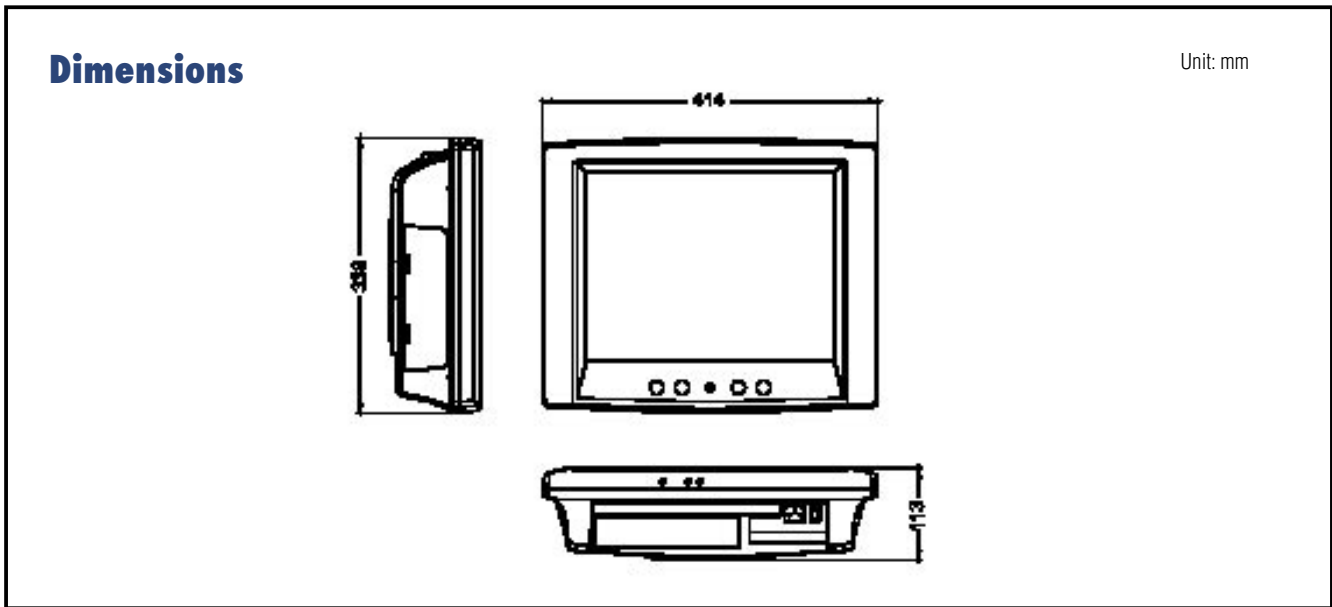- **Backlight Lifetime**   50,000 hours

Environmental Specifications

- **Temperature**   0 ~ 40° C
- **Relative Humidity**   10 ~ 95% @ 40° C (non-condensing)
- **Shock**   10G peak acceleration (11 msec duration)
- **Power MTBF**   100,000 hrs
- **Certifications**   CE, FCC, VCCI, BSMI approved
- **AC Model**   UL60950, UL60601-1, EN60950, EN60601-1 approved
- **DC Model**   FCC, UL 2601-1, EN60601-1 approved
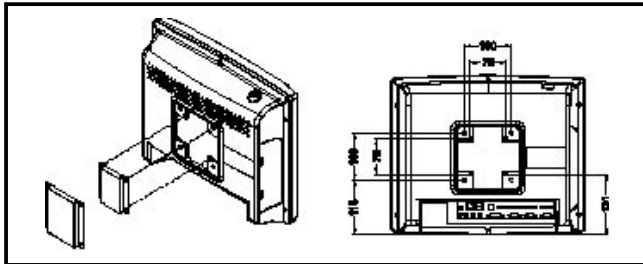
Touchscreen

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

POC-153

1
General Purpose Panel
Computers

2
Open-frame Panel Computers

3
Medical Computing
Platforms

4
Smart Home Networking
Platforms

Dimensions

Unit: mm

Mounting

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

Ordering Information

- **POC-153CD-AC-C**   POC-153 Bare with CDROM/AC input
- **POC-153CD-AC-CS**   POC-153 Bare with CDROM/AC input/SAW.TS
- **POC-153CD-AC-CT**   POC-153 Bare with CDROM/AC input/Res.TS
- **POC-153CB-AC-C**   POC-153 Bare with COMBO/AC input
- **POC-153CB-AC-CS**   POC-153 Bare with COMBO/AC input/SAW.TS
- **POC-153CB-AC-CT**   POC-153 Bare with COMBO/AC input /Res.TS
- **POC-153 STAND**   Desktop stand for POC-153 series

Optional Items

- **POC-153 with 12 V$_{DC}$ inlet or 24 V$_{DC}$ inlet (Production upon order received)**
- **802.11b wireless antenna with PCMCIA module**