POC-125

Point-of-Care Terminal with 12.1" TFT LCD

Features

- Point-of-Care terminal for eHealthcare/medical applications
- 12.1" LCD display
- Low audible noise
- Spill and dust resistant (IPX1)
- UL60601-1/EN60601-1, CE & FCC Class B certified
- 802.11b/g WLAN module and touchscreen (optional)

Introduction

The POC-125 is a medical multimedia Panel Computer that is UL60601-1/EN60601-1 approved. The low audible noise of the POC-125 makes it an ideal point-of-care solution for patients and hospital practitioners. The POC-125 is specially designed to resist spills and water damage, and ensures dust resistance with its protected LCD, sealed ports and card slots. The 500:1 contrast ratio of POC-125 makes it a perfect image terminal for PACS and DICOM applications.

Specifications

General

- **Dimension (W x H x D)** 348 x 287 x 92 mm (13.70" x 11.30" x 3.62")
- **Weight (with battery)** 4.54 kg (10 lb)
- **Power Supply** Input: 10.8 ~ 26.4 V DC, 2 A max. @ 24 V DC (w/o installation of PCI card or battery)
- **AC Adapter** External universal AC/DC adapter (SINPRO Model no. MPU50-108)
  Input: 100 ~ 240 V AC, 47 ~ 63 Hz, 1.35 A max.
  Output: 24 V DC, 2.08 A max. (50 watt)
- **Whole System** IPX1 compliant
- **Front Panel** IP65/NEMA 4 compliant

Standard PC Function

- **CPU** Intel® Celeron® M processor
- **Memory** DDR200/266/333 SDRAM, 184-pin DIMM socket x 2, Max. 2 GB capacity.
- **System Chipset** 855GME GMCH, ICH4 Chipset 400 MHz FSB
- **HDD** One 2.5" IDE HDD
- **CompactFlash** Type I/II x 1
- **I/O Ports & Speakers** 2 Serial ports: isolated RS-232 x 2, RS-232/422/485 x 1, 4 USB 2.0 ports, 1 IEEE1394a port, 1 PS/2 mouse and keyboard interface, D-sub VGA port, 1 W speakers x 2
- **Network (LAN)** One 10/100Base-T Ethernet interface (RJ-45)
- **Bus Expansion** PCI 2.2 expansion slot x 1 for low-profile PCI card; Mini PCI slot x 1 for Type IIIB cards
- **Optional Item** 802.11b/g wireless antenna with Mini PCI WLAN module
  2280 mAh Li-ion battery pack. (Optional with installation of PCI card)

General Specifications of Display

- **Display Type** 12.1" TFT color LCD
- **Resolution** 800 x 600
- **Colors** 262,144 (6 bits/color)
- **Dot Size (mm)** 0.307 x 0.307
- **Viewing Angle (H/V)** 140°/110°
- **Luminance** 400 cd/m²
- **Contrast Ratio** 500 : 1
- **LCD MTBF** 50,000 hours
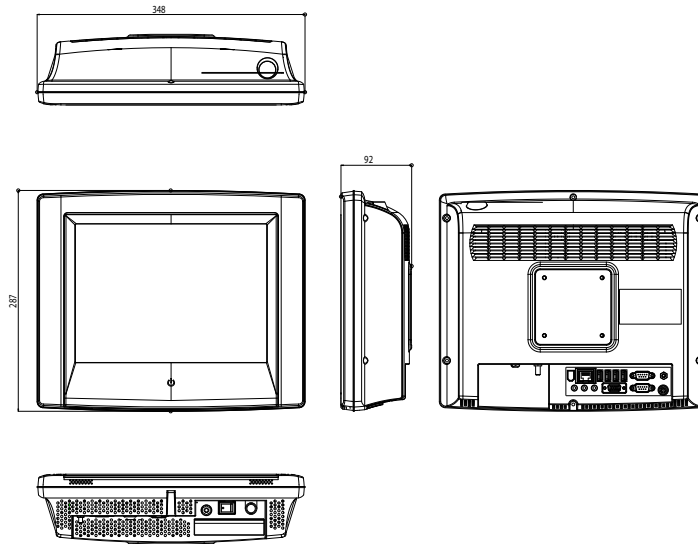- **Backlight Lifetime** 50,000 hours

Environmental Specifications

- **Temperature** 0 ~ 40° C
- **Relative Humidity** 10 ~ 95% @ 40° C (non-condensing)
- **Shock** 30 G peak acceleration (11 ms duration)
- **Power MTBF** 100,000 hours
- **Certification** CE, FCC, UL60601-1 and EN60601-1 approved

Touchscreen Specifications

- **Type** Analog Resistive
- **Resolution** Continuous
- **Light Transmission** 75%
- **Controller** RS-232 interface (use COM5)
- **Durability** 30 million touches

Last updated : 1-Jul-2007

Dimensions

Unit: mm

348

92

287

Li-ion Battery Specifications

- **Cell Type** Samsung ICR 18650-24 (Total 3 cells, 3S)
- **Typical Capacity** 2280 mAh
- **Nominal Voltage** 11.1 V_{DC}
- **Supply Current** 3 A (max.)
- **Weight** 150 g
- **Cycle Life** 500 cycles rated charge and rated discharge
- **Charge time** 7 hours to 100%
  (new battery)
- **Operating time** 30 minutes at 2A output current.

Ordering Information

- **POC-125-060-AE** Bare POC-125 with Celeron M 600 MHz
- **POC-125-060-ATE** Bare POC-125 with Celeron M 600 MHz / Res. TS
- **1760000371** Battery 11.1V 2280mAH 3S1P For POC-125

Mounting

- **VESA** 75 x 75 mm

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