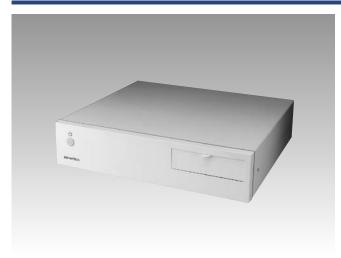# MDPC-4090

Medical Desktop Computer

Features

- Intel® Pentium® 4 M CPU up to 2.2 GHz
- Integrated ATI M9 graphic controller, 64 MB video RAM
- Dual display up to the resolution of 1600 x 1200
- 1 x IEEE 1394; 4 x USB 2.0
- 1 x Gigabit LAN port
- EN60601-1/ UL60601-1 certified

Introduction

The MDPC-4090 is a multimedia Intel Pentium 4 M processor based computer that is designed to serve as a medical grade image processing/analysis platform. It is a PC-based system with onboard high-performance ATI M9 graphic controller that supports dual display (resolution up to 1600 x 1200). The MDPC-4090 has numerous COM ports and USB 2.0 interfaces, a PCI extended bus, and a built-in Gigabit LAN for convenient and high-speed connectivity. This simple, complete, and highly integrated multimedia system lets you easily process and analyze your images. The MDPC-4090 is a reliable, cost-effective solution for your applications.

Specifications

General

- **Dimensions (W x H x D)** 431.6 x 109.1 x 370.5 mm (17" x 4.3" x 14.58")
- **Weight** 12.2 kg (26.87 lb)
- **Power Supply** Input: 100 ~ 240 V_{AC}, 4/2 A max. @ 50 ~ 60 Hz
  Output: +5 V @ 12 A, +12 V @ 12 A,
  +3.3 V @ 16.8 A, +5 Vsb @ 2.0 A, -12 V @ 0.8 A
- **Fan Dimensions** 80 x 80 x 25 mm (3.15" x 3.15" x 0.98")
  (L x W x H)

System

- **CPU** Socket 478 Intel Pentium 4 Mobile up to 2.2 GHz
  (Provided 1.7 GHz and 2.2 GHz for long term support)
- **System Memory** 2 x 184-pin DIMM sockets, DDR 200/266 SDRAM,
  Max. 2 GB
- **IDE Bus** ATA/100
- **HDD** 1 x 3.5" IDE HDD(Optional 2.5" IDE HDD)
- **CD-ROM** 1 x 5.25" CD-ROM, DVD+-RW
- **CompactFlash** 1 x type I/II
- **I/O Ports & Speakers** 3 x RS-232, 1 x RS-232/422/485;
  1 x Parallel port; 4 x USB 2.0 ports;
  1 x IEEE-1394A port; 1 x PS/2 mouse and K/B
  1 x MIC-in, Line-in, Line–out, Speaker-out;
  2 x 5 W speakers
- **Network (LAN)** 1 x 10/100Base-T Ethernet interface; 1 x Gigabit LAN
- **Bus Expansion** 2 x PCI 2.2 expansion slot

Display

- **Integrated Graphic Chip** ATI Mobility™ Radeon® 9000 (M9)
- **Integrated Video RAM** 64 MB
- **Resolution** 1600 x 1200 at 60 Hz
- **Video Out** Support 24-bit digital output (DVI port x 2)
- **Dual Independent Display Support**

Environment

- **Operating Temperature** 0 ~ 40° C
- **Relative Humidity** 10 ~ 95%@ 40° C (non-condensing)
- **Shock** 30 G peak acceleration (11 ms duration)
- **Certifications** CE, FCC approved
  UL60950, UL60601-1, EN60950, EN60601-1 approved

Ordering Information

Part No.	Description
MDPC-4090CDE	MDPC-4090 Bare with CD-ROM/AC input
MDPC-4090DWE	MDPC-4090 Bare with DVD+-RW/AC input

Last updated : 7-Mar-2007

Dimensions

Unit: mm

Unit: mm

431.6

109.1

370.5