

MDPC-4090

Medical Grade Desktop Computer

NEW



FC

Features

- Intel® Pentium® 4 M CPU up to 2.4 GHz
- Integrated ATI M9 graphic controller, 64MB Video RAM
- Dual display up to the resolution of 1600 x 1200
- IEEE 1394 x 1; USB 2.0 x 4
- Gigabit LAN port x 1
- 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). With numerous COM ports, USB 2.0 interfaces, PCI extended bus, and a built-in Gigabit LAN for convenient and high speed interconnection power, MDPC-4090 is a powerful medical computing device. For system integrators, 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 to your application's processing requirements.

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 (26.87lb)
- **Power Supply** AC model: 180 watt
Input voltage: 100 ~ 240 V_{AC}, 4/2 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
- **Cooling Fan Dimensions (L x W x H)** 60 x 60 x 10 mm (2.4" x 2.4" x 0.4")

System

- **CPU** Socket 478 Intel Pentium 4 Mobile/Celeron up to 2.4 GHz (Provided 1.7 GHz and 2.2 GHz for long term support)
- **System Memory** DDR 200/266 SDRAM, 184-pin DIMM socket x 2, Max. 2 GB
- **IDE Bus** ATA/100
- **HDD** One 3.5" IDE HDD (Optional 2.5" IDE HDD)
- **CD-ROM** 5.25" CD-ROM, DVD-ROM or COMBO CD-RW
- **SSD** 1 x CompactFlash type I,II
- **I/O Ports** 4 Serial ports: RS232 x 3, RS-232/422/485 x 1, 1 parallel port, USB 2.0 port x 4, IEEE-1394 port x 1, 1 PS/2 mouse and keyboard interface,
- **Audio Interface** MIC-in, Line-in, Line-out, Speaker-out- 5 W speakers x 2
- **Network (LAN)** 10/100Base-T Ethernet interface x 1, Gigabit LAN x 1
- **Bus Expansion** PCI 2.2 expansion slot x 2

Display

- **Integrated Graphics Chip** ATI MOBILITYTM 9000 (M9)
- **Integrated Video RAM** 64MB
- **Resolution** 1600 x 1200 at 60Hz
- **SignalOut** Support 24 bits 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** 30G peak acceleration (11 msec duration)
- **Certifications** CE, FCC approved
UL60950, UL60601-1, EN60950, EN60601-1 approved

Ordering Information

- **MDPC-4090CD** MDPC-4090 Bare with CD-ROM/AC input

Dimension

Unit: mm

