

Features

General Features:

Architecture:

- PC/104-Plus compliant

Processor Availability:

- Intel® Pentium® M 1.4GHz, 2MB L2 cache, 400MHz FSB

Chipset:

- Intel® i855GME

System Memory:

- 512MB DDR, 266MHz (PC2100), soldered onboard

Supported Operating Systems:

- WinCE®, WinXPE® and Linux®

BIOS Flash:

- 1MB Flash EPROM

Interfaces:

- IDE ATA 100 Controller
- Serial ports:
 - 1x RS-232
 - 1x RS-232/422/485
- 8x USB 2.0 ports
- 10/100 Mbps Ethernet (Intel® 82562 chipset)
- Graphic controller with analog VGA and Flat Panel LVDS interface
- AC97 audio interface
- Keyboard and Mouse

Bus:

- PC/104-Plus (PCI)
- PC/104 (ISA)

Watchdog:

- 2-255 seconds / minutes

Power Supply:

- Single +5V DC

RoHS:

- Fully RoHS (2002/95/CE) Compliant



The CPU-1482 is an embedded RoHS compliant board based on two modules: a mezzanine CPU module combined with a PC/104-Plus form factor carrier.

The mezzanine CPU module features the Intel® Pentium® M 1.4GHz (having 2MB L2 cache and 400MHz FSB) processor and its Intel® i855GME chipset. The system comes with 512MB DDR, 266MHz (PC2100), soldered onboard. No active cooling is required to operate within the standard and extended temperature ranges. The carrier implements all the connections to the external world, including 8 USB 2.0 ports, 1 Fast Ethernet interface (10/100Mbps), 2 Serial ports, Analog VGA and Flat Panel LVDS outputs, 1 AC97 interface, Keyboard and Mouse connectors and an IDE controller that supports IDE Flash device (Disk-On-Module, Compact Flash and Flash Disk). The carrier also performs the connections for the ISA and PCI bus enabling the CPU-1482 to stack on top of a PC/104-Plus system. The carrier provides support for Watchdog management and Real Time Clock (external backup battery) and can be customized to match specific customer needs.

The BIOS for the module is embedded and is located in a 1MB Flash EPROM, it is fully re-programmable onboard. The set-up parameters are saved in Flash to allow the module to operate without a battery.

CPU-1482

Embedded Enhanced BIOS

- Standard Phoenix BIOS
- Boot Watchdog Management
- Set-Up in Flash in order to avoid Set-Up corruption in field
- Remote console redirection: allows a system with no keyboard and no video hardware to transmit video and keyboard data to a host system via the serial port
- Etherboot support: allows the system to boot up from a LAN connection for diskless operation

Power Management

- Temperature monitor with hardware thermal management circuit
- Power fail Reset (safe operation between 4.75V and 5.25V)

About Eurotech

Eurotech delivers embedded computer systems for high capability and low power applications, networking and wearable computing solutions, and application framework middleware for multimedia, industrial, transportation, medical, and wireless applications. Eurotech platforms allow OEM and enterprise customers to focus on their core revenue-generating products and services and get to market quickly.

Physical Characteristics

DIMENSIONS	90 x 96 mm (3.6" X 3.8")
HEIGHT	18.6 mm (0.7")
POWER SUPPLY	Single +5V DC +/- 5%
POWER CONSUMPTION	14.5W typical
OPERATING TEMPERATURE	0 ~ + 60 °C (standard) -40 ~ + 85 °C (extended)
HUMIDITY	Up to 95% non-condensing

Accessories

- RJ45 Ethernet adapter
- AC97 adapter
- Digital Flat Panel LVDS receiver
- USB adapters
- Cable Set Kit
- Development Kit

Options

- Extended operating temperature range
- Custom carrier
- Conformal coating
- Custom Connectors

ETH_CPU-1482_DS251108

Note: The information in this document is subject to change without notice and should not be construed as a commitment by EUROTECH. While reasonable precautions have been taken, EUROTECH assumes no responsibility for any error that may appear in this document. All trademarks or registered trademarks are the properties of their respective companies.

Americas

EUROTECH Inc
e-mail: sales-us@eurotech.com
tel: +1 301.490.4007
toll free: +1 888.941.2224

Western Europe

EUROTECH UK
e-mail: sales-uk@eurotech.com
tel: +44 (0) 1223 403.410

EUROTECH France
e-mail: sales-fr@eurotech.com
tel: +33 04.72.89.00.90

Central & Southern Europe

EUROTECH Italy
e-mail: sales-it@eurotech.com
tel: +39 0433.485.411

Northern & Eastern Europe

EUROTECH Finland
e-mail: sales-fi@eurotech.com
tel: +358 9.477.888.0



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помошь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помошь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.