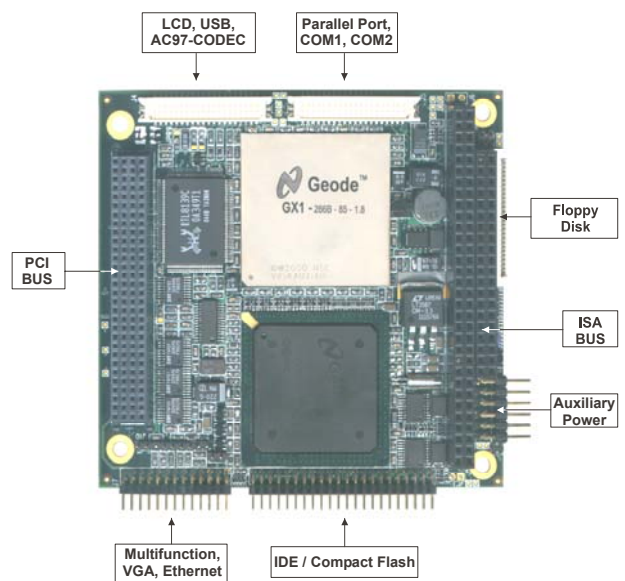


Features

- Architecture: PC PCI/ISA Compatible
- Dimensions: Compliant with the PC/104-Plus standard
- Processor: Geode GX1 - 266 MHz
- Memory: 64-128 MB DRAM
- Solid State Disk: Disk On Module, Compact Flash or ATA Flash on IDE interface
- Operating System: WinCE® WinXPE® VxWorks® Linux® QNX®
- BIOS: Standard with embedded extensions
- Interfaces: IDE ctrl
 Floppy ctrl (on parallel port)
 SVGA-CRT and LCD
 10/100 Mbps Fast Ethernet
 USB 1.0 port
 AC97 Audio Sound Port
 Serial ports:
 1 RS232
 1 RS232/422/485
 Parallel port (bi-directional EPP-ECP)
 Keyboard AT
 Mouse PS/2
 PCI/ISA bus complying with PC/104-Plus standard
- Bus: Single +5V
- Power Supply: COM 1 and 2
- Connectors: SVGA CRT
 LCD - TFT
 USB
 PS/2 mouse
 Auxiliary Power Connector
 Parallel
 IDE
 Fast Ethernet
 Multifunction (KB, SPK, WD, Reset, RTC Battery)



General Description

The CPU-1432 is an Embedded Pentium-like Computer in PC/104-Plus form factor. The peripherals integrated on board are: SVGA, two Serial ports and parallel port, Fast Ethernet controller, IDE, Keyboard, Mouse, one USB 1.0 and one AC97 Audio Sound Port. The module is built around the Geode GX1 processor and can be equipped with 64 or 128MB of soldered DRAM. The BIOS is located in Flash Eprom and is re-programmable on-board. The set-up parameters are saved on the same Flash allowing the module to operate without a battery.

The CPU-1432 includes a video accelerator that drives both LCD-TFT and CRT monitors. The module supports SSD (Solid State Disk) IDE devices such as DOM, CompactFlash and ATA Flash that function like HDD units in rugged conditions where standard devices cannot operate reliably. Other peripherals available on board are: the Floppy disk controller multiplexed with the parallel port, Real Time Clock and Watch Dog. The module requires a single +5V only.

Embedded Enhanced Bios

- The Flash-BIOS has a capacity of 1 Mbyte, 384KB of which are used for the BIOS and its extensions. The remaining part of 640KB can be used as Read-Only Disk and to store the OS and the Used Programs/Data.
- SSD support as Read or R/W disk.
- Watch_Dog management.
- Set_Up in Flash in order to avoid Set_Up corruption in field.
- Virtual Peripheral Support (V.P.S.): this mode allows to bootstrap from the parallel or serial ports and redirect Keyboard, Video, Floppy Disk on the serial/parallel ports before booting the Operating System. It is also possible to redirect any of these peripherals as default setting.

Modules Accessories

- TP RJ45 Ethernet adapter
- AC97 & USB adapter
- Parallel-FDD adapter cable
- 2mm to 2.54mm IDE cable
- IDE to ATA adapter Kit
- Cable Set Kit
- Flat Panel adapter kit

Options

- Custom BIOS
- Fast BIOS BOOT
- Extended Operating Temperature Range
- Custom Connectors

Solid State Disk

Supported Devices:

Disk On Module and Compact Flash on IDE interface
No drivers needed

Physical Characteristics

- **Dimensions:** 90x96 mm (3.6" X 3.8")
- **Thickness:** 15mm (0.6")
- **Power supply:** single +5V
- **Power consumption:**

Frequency	64MB	128MB
266MHz	1030mA	1080mA

- **Op. Temp.:** 0 + 60 °C (Extended Temperature range versions available)



Tel. +39 0433 485 411

E-mail: sales@eurotech.it

Fax. +39 0433 485 499

URL: www.eurotech.it

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