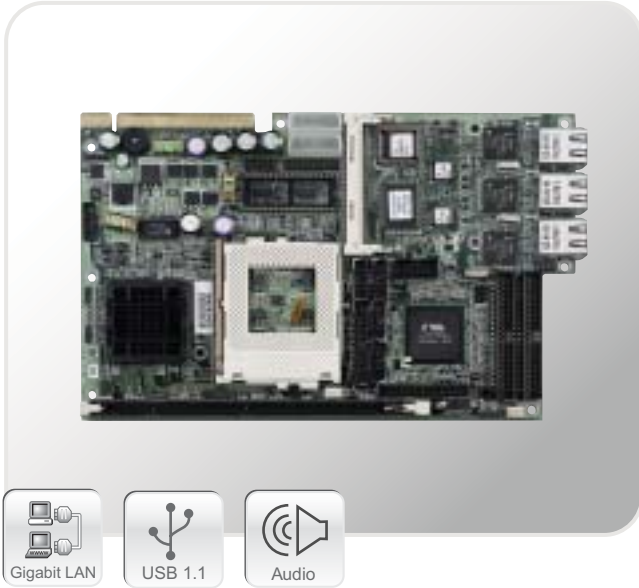


EBC-2100

Pentium® III SBC with Triple Gigabit Ethernet and MiniPCI



Features

- Up to 1.4GHz Pentium III
- Three 1 Gigabit Ethernet ports
- Hardware Monitor and Watchdog
- MiniPCI and backplane extension

Ordering Information

EBC-2100T	Pentium-III Network Engine with triple 1Gbps LAN and MiniPCI (Memory and CPU are not included)
EBC-2000DevKit	Development Kit suitable for EBC-2000 and EBC-2100, includes HPE-D3S2 backplane, mPCI-8750 VGA, KB/MS Y-cable
IDB-AC97S	Audio daughter board with Line-in, Line-out, MIC-in connectors

Related Products

Model Number	Description/Configuration
HPE-D3S2	1U Backplane with 2 PCI slots for EBC-2000 / EBC-2100
ALS-150	1U Network Appliance

Specifications

Core

CPU	Supports Socket 370-based Intel Pentium III/Celeron up to 1.4GHz and fanless VIA C3 CPU with FSB speed up to 133MHz
Chipset	VIA Pro133T (VT82C694T + VT82C686B)
Memory	1 DIMM socket for up to 512MB SDRAM (ECC or non-ECC)
L2 Cache	Built-in CPU
BIOS	Phoenix AWARD PnP 256 KB Flash with console redirection and CMOS EEPROM backup

Multi I/O

HDD	Two EIDE ports with Ultra DMA 33/66/100 support
FDD	Two floppy drives (360KB, 720KB, 1.2MB, 1.44MB, 2.88MB)
Serial	Four 16550 compatible ports (COM1/2/3/4) and separate IrDA header
Parallel	One parallel port supporting SPP/EPP/ECP mode
USB	Dual USB v1.1 host controller (4 ports)
Hardware Monitor	Supply voltages, fan, CPU, and system temperature (VT686B)
Watchdog	Software programmable 1-255 sec
Data Protection	2KB programmable EEPROM to store user data & security information
Onboard Flash	Socket for DiskOnChip
Expansion	32-bit PCI 2.1 for backplane operation and miniPCI Type III slot

Audio

Type	Integrated 6 channel Surround Sound AC-97 compatible interface (VT686B)
Code	Optional daughter board with Line-in, Line-out, MIC

LAN

Chipset	Intel 82540 x3
Type	IEEE 802.3 10/100/1000-BaseTX Ethernet
LED	Separate header for LED output

Power

Connectors	Two male IDE device power connectors (e.g. as found on a CD-ROM drive) for +5V, +12V input
Requirements	75 watts (15A @ +5V and 800mA @ +12V) with Pentium-III 1.4GHz and 512MB SDRAM

Mechanical and Environmental

Dimensions	210 x 140 mm (8.27 x 5.5")
Operating Temp.	0 to 55°C
Storage Temp.	-20 to 80°C
Compliance	CE, FCC Class A