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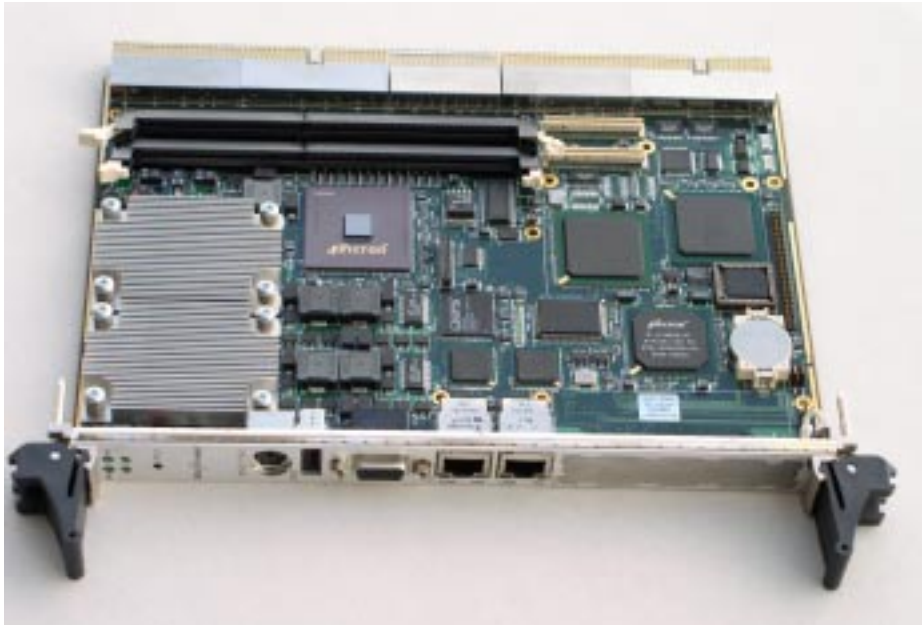
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Find the *I-Bus / Phoenix IBC 2801* at our website: ***Click HERE***

IBC 2801

Dual Low Power Pentium® III System Master CPU Board



PICMG 2.16 Compliant

Ordering Information

IBC 2801-850
Single Pentium III-M, 850 MHz w/dual 10/100 Ethernet, Ultra 160 SCSI and SVGA

IBC 2801-D850
Dual Pentium III-M, 850 MHz w/dual 10/100 Ethernet, Ultra 160 SCSI and SVGA

IBC 2801-933
Single Pentium III-M, 933 MHz w/dual 10/100 Ethernet, Ultra 160 SCSI and SVGA

IBC 2801-D933
Dual Pentium III-M, 933 MHz w/dual 10/100 Ethernet, Ultra 160 SCSI and SVGA

Memory Options

DSDM-128MB	*128MB DDR SDRAM*
DSDM-256MB	*256MB DDR SDRAM*
DSDM-512MB	*512MB DDR SDRAM*
DSDM-1GB	*1 GB DDR SDRAM*
DSDM-2GB	*Call*

IBC 2703-RIO
Rear I/O transition module for 280X with 1.8" hard drive socket

Hard Drive Options

HDD-5GB	*5GB 1.8" IDE HDD*
HDD-10GB	*10GB 1.8" IDE HDD*
HDD-20GB	*20GB 1.8" IDE HDD*

IBC 16010 - *Storage Mezzanine Board for 280x with 1.8" hard drive socket and CompactFlash socket*

Hard Drive Options

HDD-5GB	*5GB 1.8" IDE HDD*
HDD-10GB	*10GB 1.8" IDE HDD*
HDD-20GB	*20GB 1.8" IDE HDD*

CompactFlash Options

CF-32MB	*32MB CompactFlash*
CF-64MB	*64MB CompactFlash*
CF-128MB	*128MB CompactFlash*
CF-256MB	*256MB CompactFlash*
MD-1GB	*1GB Microdrive*

Specifications

Microprocessor
- Single or dual Low Power Pentium III Processors at up to 933 MHz
- Supports possible future Intel® speed upgrades

Cache
- 512 Kbytes Integrated Full speed L2 cache

Chipset
- Micron® Copperhead™/Coppertail™

Dynamic RAM
- Up to 2 GB of Double Data Rate (DDR) synchronous DRAM at 266 MHz

32-bit PCI Mezzanine Card (PMC) Expansion

CompactPCI Bus Master
- 32/64 bit 33/66 MHz CompactPCI Bus interface
- Stand-alone mode to operate in Peripheral slot

Optional Storage Mezzanine Board
- 1.8" IDE HDD up to 20GB
- CompactFlash up to 256MB or 1GB Microdrive

SCSI Interface
- Ultra 160 SCSI, LSI 53C1000
- Supports future upgrades to Ultra 320

BIOS
- Award BIOS
- Customized BIOS available

Watchdog Timer
- Software controlled with reset capability

Ethernet Interfaces
- Dual 10/100BaseTx Ethernet, Intel 82559ER
- PICMG® 2.16 compatible pin-outs w/ 2703 RIO

Video Interface
- 69030 PCI Video with 4MB Memory
- 1280 x 1024 x True Color non-interlaced

Enhanced IDE (Dual)
- Dual IDE Interface up to 4 drives
- ATA 100 with synchronous transfers up to 100MB/s

System Monitoring
- On-board monitoring of voltages, temperatures
- Optional PICMG 2.9 Compliant BMC/PM
- Optional SNMP Agent Software Available

USB
- One PC compatible USB port
- Additional USB port on 2703 RIO rear panel

Standard I/O
- Floppy drive interface, up to 2 drives
- Dual 16C550 Serial Ports
- Bi-directional Parallel Port with EPP and ECP
- PS/2 Mouse Port
- PS/2 Keyboard Interface

Mechanicals
- 1-Slot (4HP) x 6U CompactPCI® Compliant
- CompactPCI® Compliant 2703 Rear I/O Board

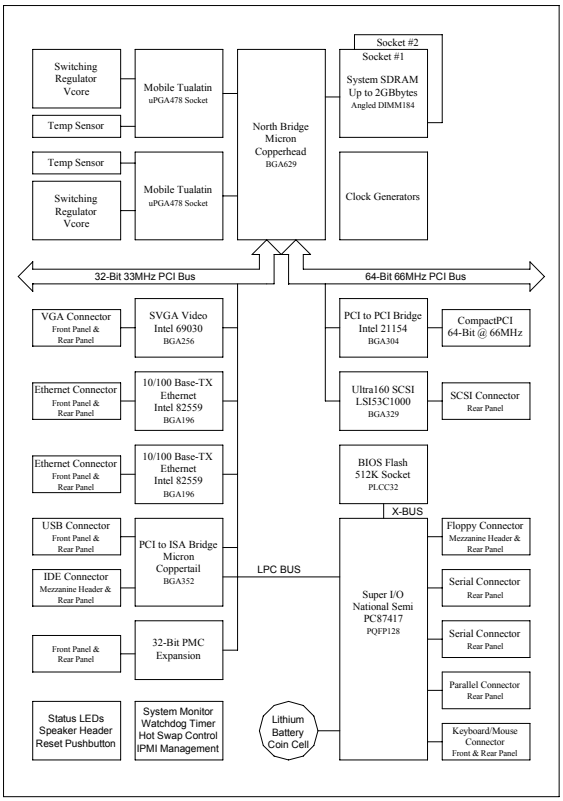
Operating Environment
- Temperature: 0° - +50° C
- Storage: -40° - +85° C

Power Requirements (Typical)
- 3.5A (single CPU) or 5A (dual CPU) at +5.0 volts
- 2A (single CPU) or 3A (dual CPU) at +3.3 Volts
- 24Watts (single CPU) or 34 Watts (dual CPU)

IBC 2801

Dual Low Power Pentium® *III* System Master CPU Board

The IBC 2801 is fully CPSB PICMG 2.16 compatible to support Ethernet switched fabric backplane architectures. With the additional compatibility of PICMG 2.1 full hot-swap and PICMG 2.9 full IPMI system management, the IBC 2801 is a powerful, scalable, open architecture building block in high-reliability and high-availability CompactPCI-based server blade systems from I-Bus. The IBC 2801 supports Dual Low Power Embedded Intel Pentium III processors, operating at up to 933MHz. Program and data storage needs are met with support for up to 2 Gbytes of DDR SDRAM as well as 256+ Mbytes of CompactFlash or a 1 Gbyte IBM Microdrive, and a 1.8" IDE hard drive up to 20GB on board. Additional features include Ultra 160 SCSI with rear I/O, dual 10/100BaseTX Ethernet, 32-bit PMC expansion and on-board AGP Video. Also supported is the full set of standard PC peripherals including Ultra ATA/100, 1.44 Mbyte floppy, USB, RS-232 serial ports, parallel port, mouse and keyboard.



Peripheral Map

Peripheral	Front Panel	Rear Panel	Comment
SVGA Video	√	√	Jumper selectable
Ethernet 0	√	√	Jumper selectable
Ethernet 1	√	√	Jumper selectable
PMC	√		
Ultra 160 SCSI		√	On rear I/O board as internal 68-pin connector
Ultra IDE 0		√	Also available on-board via 50-pin header
Ultra IDE 1		√	On rear I/O board as internal header connector
Floppy		√	Also available on-board via 50-pin header
USB 0	√		
USB 1		√	
Serial Port 0		√	
Serial Port 1		√	
Printer Port		√	On rear I/O board as internal header connector
Mouse	√	√	Shared with keyboard on single PS/2 connector
Keyboard	√	√	Shared with mouse on single PS/2 connector

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