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TECHNOLOGY GROUP

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Expert team | Trust guarantee | 100% satisfaction

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General Micro Systems, Inc.

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C161 "Aurora"-C



CompactPCI Peripheral Master or System Master Pentium SBC

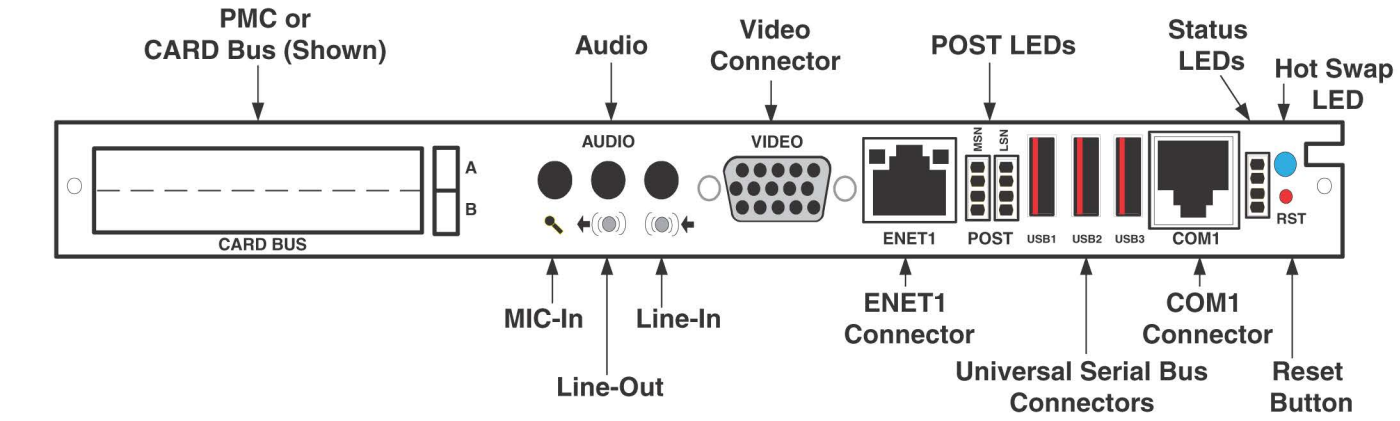
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Key Features

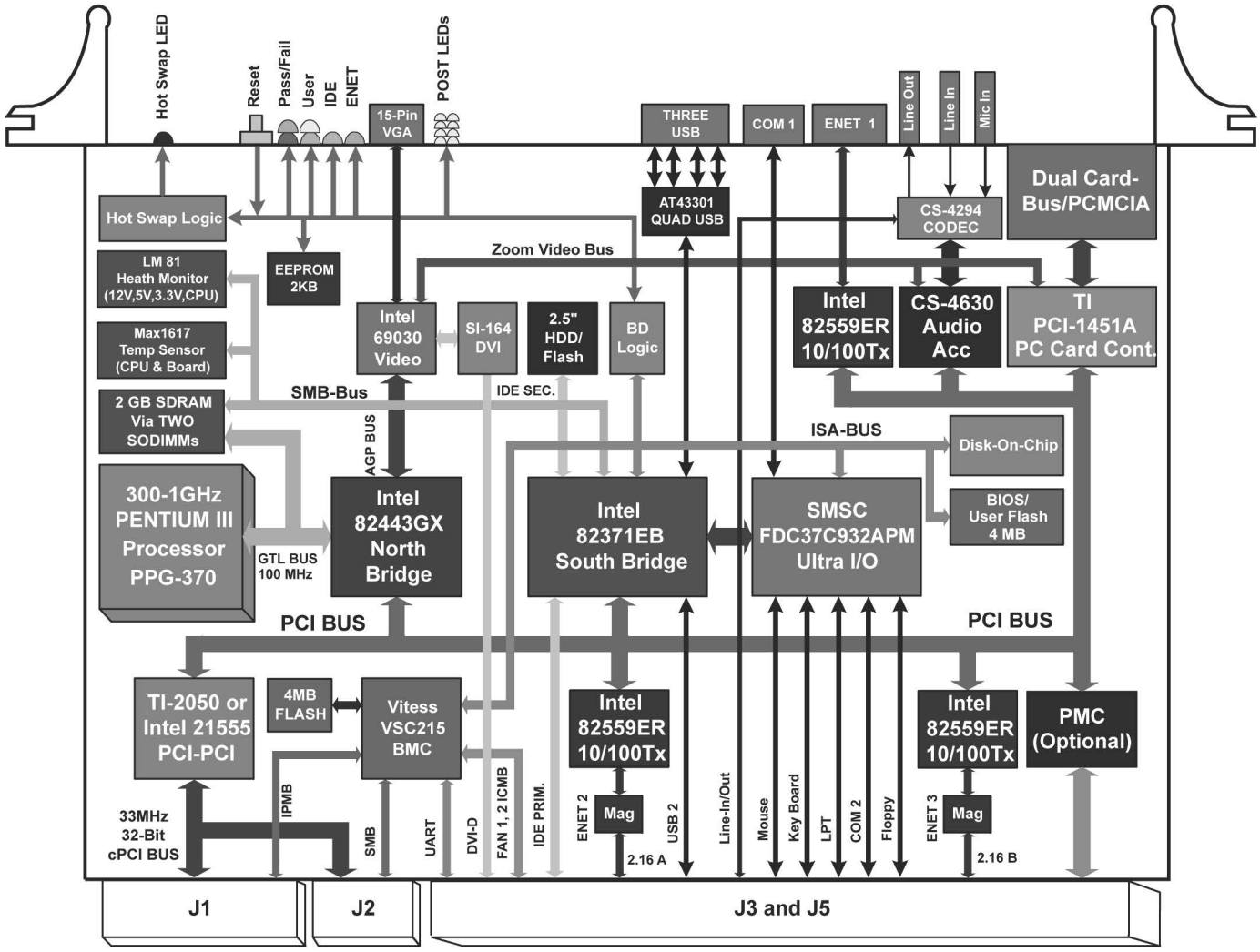
Key Features:

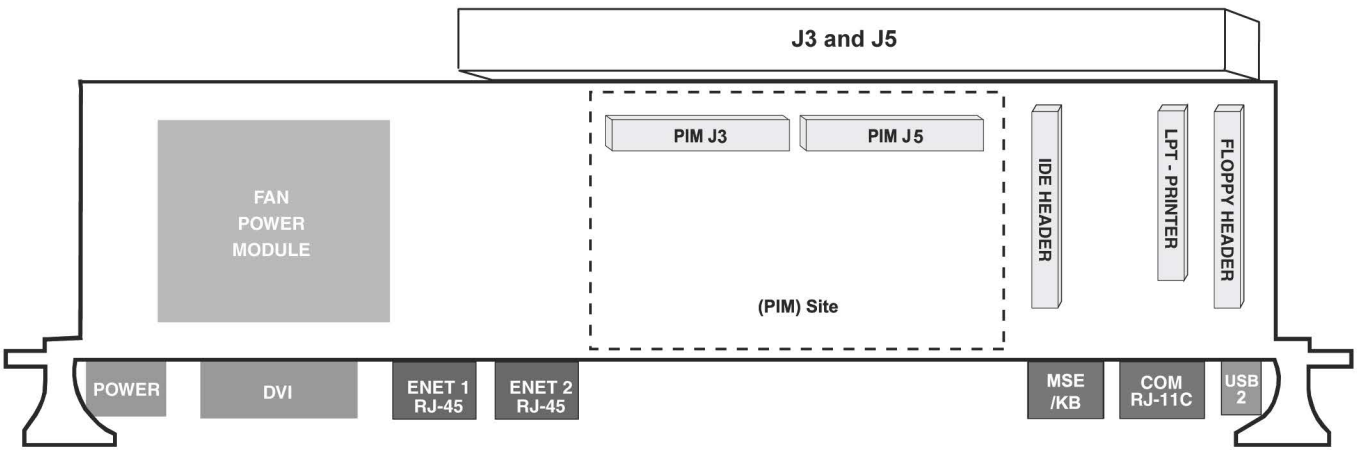
- Up to 1GHz Pentium III Processor
- 256K of On-Die L2 Cache, Clocked at CPU Speed
- Up To 2GB of Low Cost SODIMM Memory
- Dual 10/100 Base-Tx Ethernet 2.16 PSB Ready
- Third, 10/100 Base-Tx Ethernet for Debug and Control
- Quad USB (Std: Three Front, One Rear)
- Dual Card-Bus for Fast, Low Cost, Hot Pluggable I/O Devices, or PMC Site for Additional I/O devices
- Dual Video Graphic Engines for Standard or Digital Display Units
- Full Audio Functions, and Voice Recognition Hardware
- Full System Health Monitoring and Fan Control via BMC
- System Master / Peripheral Master Operations
- NEBS III and FCC Class B Approved for Telecom Applications
- Optional Onboard 2.5" High Capacity Hard Disk Drive
- Optional 8MB or 16MB Bootable Disk-On-Chip (TSOP soldered-on)
- Only ONE cPCI Slot!
- Dual Ultra DMA-33 IDE, Two Comm Ports, Floppy, Mouse, Keyboard, Printer Port, RTC, AMI Bios
- Support for Windows NT/2000, Solaris x86, VxWorks, QNX and Linux
- Utilizes Intel Embedded Chip Set for Long Life Support

Latest Card-Bus (PCMCIA) Technology! The C/V161 “Aurora” series from General Micro Systems (GMS) is offered with Hot Swap SM/PM for cPCI or in VME. These 6U SBCs combine High-Speed Networking, Audio/Video along with System Management for Multimedia focused embedded applications. They are the first products on the market to fully utilize the I/O functionality of sub-notebook computer technology while providing the computing power, memory capacity, multi-media functionality, networking, and disk storage expected from full-size computers. The Aurora can function as a high-performance blade server and is ideal for applications requiring processor horsepower, exceptional bus speed and configurability. The Aurora is a great choice for developing telecom test equipment, call centers, mili-tary/aerospace command & control systems, particularly those with tight space constraints that require high-speed video and utilize voice-activated response. It is also the best solution for a variety of diagnostic and training applications.

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Audio
Video
Connector
POST LEDs
Status
LEDs
Hot Swap
LED
AUDIO
VIDEO
A
B
CARD BUS
MSN
LSN
ENET1
POST
USB1
USB2
USB3
COM1
RST
MIC-In
Line-In
Line-Out
ENET1
Connector
Universal Serial Bus
Connectors
COM1
Connector
Reset
Button


Hot Swap LED
Reset
Pass/Fail
User
IDE
ENET
POST LEDs
15-Pin
VGA
THREE
USB
COM 1
ENET 1
Line Out
Line In
Mic In
Hot Swap Logic
AT43301
QUAD USB
CS-4294
CODEC
Dual Card-
Bus/PCMCIA
LM 81
Heath Monitor
(12V,5V,3.3V,CPU)
EEPROM
2KB
Zoom Video Bus
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(CPU & Board)
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69030
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82559ER
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CS-4630
Audio
Acc
TI
PCI-1451A
PC Card Cont.
2 GB SDRAM
Via TWO
SODIMMs
SMB-Bus
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Disk-On-Chip
300-1GHz
PENTIUM III
Processor
PPG-370
GTL BUS
100 MHz
Intel
82443GX
North
Bridge
Intel
82371EB
South Bridge
SMSC
FDC37C932APM
Ultra I/O
BIOS/
User Flash
4 MB
PCI BUS
PCI BUS
TI-2050 or
Intel 21555
PCI-PCI
4MB
FLASH
Vitess
VSC215
BMC
Intel
82559ER
10/100Tx
Intel
82559ER
10/100Tx
PMC
(Optional)
33MHz
32-Bit
cPCI BUS
IPMB
SMB
UART
DVI-D
FAN 1, 2 ICMB
IDE PRIM.
ENET 2
Mag
2.16 A
USB 2
Line-In/Out
Mouse
Key Board
LPT
COM 2
Floppy
ENET 3
Mag
2.16 B
J1
J2
J3 and J5


J3 and J5
FAN
POWER
MODULE
PIM J3
PIM J5
(PIM) Site
IDE HEADER
LPT - PRINTER
FLOPPY HEADER
POWER
DVI
ENET 1
RJ-45
ENET 2
RJ-45
MSE
/KB
COM
RJ-11C
USB
2

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We buy equipment

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