

MIC-3366

6U CompactPCI® Low Power Pentium® III Processor Peripheral Board with VGA/Dual LAN/PMC



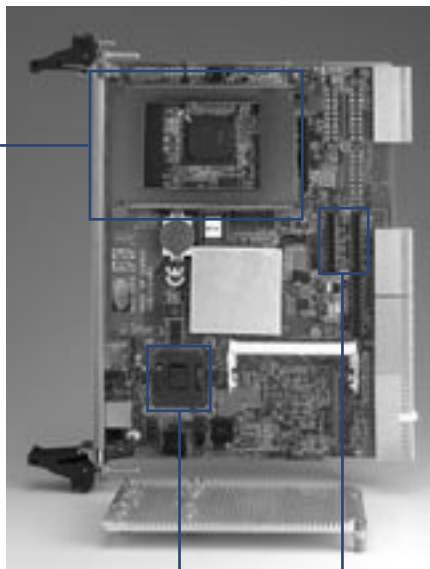
Features

- Low power Intel® Pentium® III processor 700 MHz (BGA2)
- Up to 1 GB ECC SO-DIMM SDRAM memory
- One 32-bit PMC expansion site
- Optional onboard 2.5" HDD or CompactFlash
- Hot-swappable

CE FCC

Introduction

The MIC-3366 CompactPCI peripheral board is an ultra high performance solution featuring a low power 700 MHz Intel Pentium III processor, and upgradeable SODIMM with memory capability up to 1 GB ECC SDRAM. For I/O expansion, it supports one standard PMC site for various applications and HDD can be installed on board in one slot width. With mission-critical demands for next generation networking and telecommunication equipment becoming more requisite, the MIC-3366 is designed with high availability features like low power dissipation, onboard CPU, passive cooling, dual LAN, hot-swappable capability and IPMI controller. The MIC-3366 CompactPCI peripheral board is designed for mission critical and computing intensive applications such as telecommunication, networking and image processing, which need a clustered multiprocessing solution to increase overall system performance.



Socket for embedded 2.5" HDD or optional CompactFlash card for storage

Onboard Intel Pentium III low power CPU

One 32-bit PMC expansion site



10/100 Mbps LAN port

COM

LEDs for power & HDD

LED for hot-swap

Specifications

		MIC-3366	MIC-3366B		
Processor System	CPU	Intel Pentium III low power (fanless)			
	Max. Speed	700 MHz (100 MHz FSB)			
	L2 Cache	256 KB			
	Chipset	Intel 440GX	Intel 440BX		
	BIOS	Award 2 Mb Flash (network booting optional)			
Bus	Front Side Bus	66/100 MHz			
	PCI	64-bit/33 MHz			
	PCI-to-PCI Bridge	Intel 21555 (non-transparent)			
Memory	Technology	PC-100 SDRAM with ECC support			
	Max. Capacity	1 GB	512 MB		
	Socket	144-pin SO-DIMM x2			
Graphic	Controller	69030			
	VRAM	4 MB SDRAM			
Ethernet	Interface	10/100Base-TX			
	Controller	Intel 82559 x2			
	Connector	RJ-45 x1			
EIDE	Mode	ATA 33			
	Channel	2 (Max. 4 devices)			
Front I/O Interface	LAN	1			
	Serial	1 (RS-232, RJ-45 connector)			
Operating System	Compatibility	Windows 2000/NT 4.0/XP, Red Hat Linux 7.2, Sun Solaris 8.0			
Hardware Monitor	Controller	Winbond W83782D			
	Monitor	CPU temperature, 3.3 V/5 V/12 V, fan			
Watchdog Timer	Output	Interrupt, system reset			
	Interval	Programmable, 1 ~ 63 sec.			
PMC	Site	1			
	Interface	PCI Mezzanine (IEEE 1386.1), 32-bit/33 MHz			
	Signal	5 V/3.3 V compliant			
Miscellaneous	Solid State Disk	CompactFlash socket			
Power Requirement	Maximum (Pentium III, 700 MHz)	+3.3 V	+5 V	+12 V	- 12 V
		2.7 A	2.8 A	< 270 mA	< 25 mA
Environment		Operating			Non-Operating
	Temperature	0 ~ 50 °C (32 ~ 122 °F)			-40 ~ 60 °C (-40 ~ 140 °F)
	Humidity	--			95 % @ 60 °C, non-condensing
	Vibration (5-500 Hz)	1.0 Grms			2.0 G
Physical	Dimensions (W x D)	233.35 x 160 mm (9.2" x 6.3"), 1-slot width			
	Weight	0.7 Kg (1.54 lb)			
Reliability	MTTR	5 minutes			
Compliance	Standard	PICMG® 2.0, R3.0 CompactPCI Specification PICMG 2.1, R2.0 Hot-Swap Specification			

Recommended Configurations

CPU Board	PMC Module	Rear I/O Board	Enclosure
MIC-3366	MIC-3662D, MIC-3661D	RIO-3306-A	MIC-3036-A, MIC-3039, MIC-3056A, MIC-3041A, MIC-3038A, MIC-3081, MIC-3082A

Rear Transition Board

Part Number	Rear Panel				On-board Header					Slot Width
	Keyboard & Mouse	COM2	LAN	VGA	COM1	USB	IDE	CF	PIM	
RIO-3306-A	1	1	2	1	1	1*	2	1	1	1

* An optional extension adapter will extend to a 2-slot width panel

Ordering Information

Part Number	LAN	COM	PCI-to-PCI Bridge	PMC Site	Chipset	Slot Width
MIC-3366-A	1	1	1	2	Intel 440GX	1
MIC-3366B-A	1	1	1	2	Intel 440BX	1