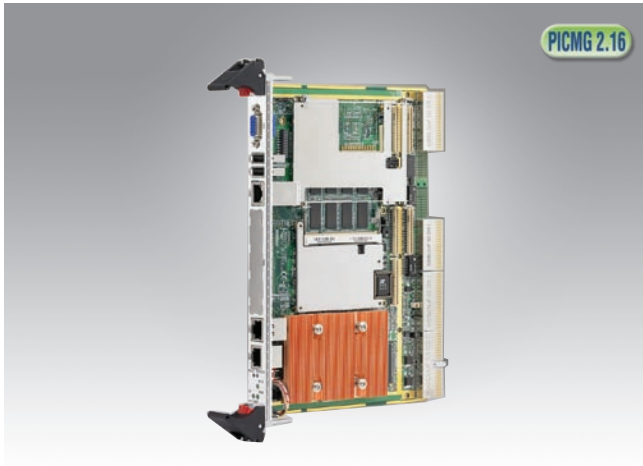# MIC-3392L

6U CompactPCI Intel® Celeron® M Processor Blade

PICMG 2.16

Features

- Supports Intel® Celeron® M 440 processor
- Intel® 945GME chipset supports 533/667 MHz FSB
- Up to 2 GB (DDR2 533/667) memory with SODIMM expansion
- Comprehensive I/O capability, dual Gigabit Ethernet, SATA, CompactFlash
- One 64-bit/66 MHz PMC expansion slot
- PICMG 2.16, R1.0 Packet Switching Backplane Specification compliant
- PICMG 2.9, R1.0 IPMI Specification compliant
- PICMG 2.1, R2.0 Hot-Swap Specification compliant
- Selectable System/Peripheral mode

RoHS 2002/95/EC   cᴿᵁus E180881   CE   FCC

Introduction

The MIC-3392L is a full featured, but cost optimized CompactPCI CPU card ideally suited for cost sensitive control plane applications.

It is built on Advantech's proven MIC-3392 core design using Intel's 945 chipset for supporting high speed DDR2 onboard / pluggable memory, integrated graphics and standard I/Os such as onboard CompactFlash and 2.5" SATA HDDs. Dual GbE front ports and PICMG2.16 support give it the right connectivity for Computer Telephony, IPTV, Satellite and High Performance applications such as radar, imaging, instrumentation, communications, telephony and industrial control. Additional flexibility is achieved through the onboard PMC socket, which can host additional Ethernet ports using Advantech's MIC-3665 PMC or other I/Os based on third party PMCs. A choice of Advantech's rear transition modules complements the MIC-3392L to provide additional connectivity and I/O.

Specifications

Processor System	CPU (Included)	Intel® Celeron® M 440 Processor,1.86 GHz, 1 MB L2 cache
	Chipset	Intel945GME/ICH7M
	BIOS	AMI 8 Mbit flash
Bus	Front Side Bus	533 MHz
	PCI	Up to 64-bit/66 MHz
Memory	Technology	DDR2 533/667 MHz
	Max. Capacity	2 GB
	Socket	SODIMM x 1 1 GB memory integrated on board
Graphic	Controller	Intel 945GME integrated
	VRAM	Dynamic
	Resolution	Up to 2048 x 1536, 64k color at 75 Hz
Ethernet	Interface	10/100/1000Base-TX Ethernet
	Controller	Intel 82573E x 2
	I/O Connector	RJ-45 x 2 (front)
Storage	Mode	SATA
	Channel	2
	Storage Site	One SATA connector and space reserved for embedded 2.5" HDD
Bridge	Bus	PCI 64-bit/66 MHz
	Interface	Universal (system/peripheral mode capability)
I/O Interface	Serial (COM1)	RJ-45 x 1 (front)
Operating System	Compatibility	Windows® XP/2000, Linux
Hardware Monitor	Controller	Winbond 83627DHG
	Monitor	CPU temperature, +3.3V, +5V, +12V
Watchdog Timer	Output	System reset
	Interval	Programmable, 0 ~ 255 sec.
PMC	Site	1
	Interface	IEEE1386.1 64-bit/66 MHz
	Signal	+5V/+3.3V compliant
Miscellaneous	Solid State Disk	One CompactFlash socket
	LEDs	HDD, Power, Hot Swap, system/peripheral, BMC Heartbeat
	USB 2.0	2 channels
	Real Time Clock	Built-in to the South Bridge

ADVANTECH

Specifications Cont.

Power Requirement	TDP	Max. 44 watts	
Physical	Dimension	233.35 x 160 mm (9.19" x 6.3"), 1-slot width	
	Weight	0.8kg (1.76lb)	
Environment		Operating (by screening service)	Non-operating
	Temperature	0 ~ 55° C (32 ~ 122° F)	-20 ~ 60° C (-4 ~ -140° F)
	Humidity	-	95 %@ 60° C (non-condensing)
	Shock	20 G	50 G
	Vibration (5-500 Hz)	1.5 Grms	2.0G
	Altitude	4,000m above sea level	
Regulatory	Conformance	FCC Class A, CE, RoHS	
	NEBS Level 3	Designed for GR-63-CORE and GR-1089-CORE	
Compliance	Standards	PICMG 2.0, R3.0 CompactPCI Specification PICMG 2.1, R2.0 Hot-Swap Specification PICMG2.9, R1.0 IPMI Specification PICMG2.16, R1.0 Packet Switching Backplane Specification	

Recommended Configurations

CPU Board	PMC Module	Rear I/O Board	Enclosure
MIC-3392LE	MIC-3665-AE, MIC-3665-BE	RIO-3310AE, RIO-3310S-A1E, RIO-3310S-A2E	MIC-3042, MIC-3043

Ordering Information

Model Number	Front Panel I/O					On-Board Option				
	LAN	COM	PMC	USB	VGA	CPU	Memory	CF socket	Storage Channel	Slot Width
MIC-3392LE	2	1	1	2	1	Celeron M 440	1 GB	1	1	1

2.5" HDD mounting site

Memory DIMM socket

CompactFlash socket

Passive CPU heatsink

VGA port

USB ports x 2

RJ-45 Gigabit LAN ports x 2

PMC knockout

RJ-45 COM1 port

ADVANTECH