

EC-1010/1020 Series

Enhanced 1U/2U Server Chassis



EC-1010D



EC-1020D

The EC-1010/1020 series Enhanced 1U/2U Server Chassis are designed for modern networking server appliance application. The unique front 2x20 characters LCD module(A78) provides customer a programmable display for server name,IP address,system time,alarm message,....etc.

With the display message on the front panel,IT engineers are easy to find out what server is and what problem happened if system shut down. Another special function is the internal built-in A106 Alarm Board which can check whether the temperatures in chassis and the speed of fans are normal. It also is an External Watch Dog Timer to monitor user's system is working properly or has dropped halt.



PCI-2SD2 Backplane Provides 2 Full Length PCI Add-On Cards in 1U Chassis



Fully Tested with High Performance Dual Processor CPU Card and ATX Mother Board



Best User Interface Designed by Front Panel 2 x 20 Characters LCD Module (A78)

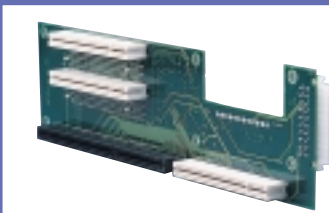
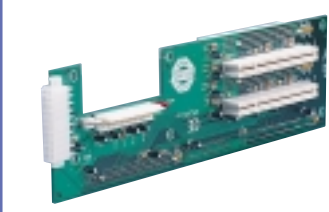
GENERAL SPECIFICATIONS

- **Height :** 1U - EC-1010 series
2U - EC-1020 series
- **Display:** A78 2x20 characters LCD Module with time clock(Year : Hour : Min. : Sec.) function inside
- **Power Supply :**
Equipped with Removable power supply, very easy to do maintenance.
EC-1010 series – ACE-1010A 170W ATX Power Supply with PFC
EC-1020 series – ACE-1020A 300W ATX Power Supply with PFC
- **3.5" Hard Disk Drive Bay:** Removable with Aluminum Housing for best cooling performance. Two type HDD bays are provided
IDE Interface HDD Bay : support ATA-100 interface
SCSI Interface HDD Bay : support SCA HDD
- Support Slim-type CD-ROM(includes connection kit) and standard 3.5" Floppy Disk Drive
- **Temperature sensors:** Two temperature sensors to monitor system temperature.
- **FAN:** Four Fan monitoring
- **Alarm:** message through RS-232 to system and also to A78 LCD Module
- **Chassis Color :** Black
- **Operating Temperature :** 0-40°C (worse case by Dual PIII-850 Processor Board and full loading HDD/FDD/CD-ROM)
- Equipped with PCI-2SD2(2 free PCI slots) Backplane for EC-1010 CPU board type model.
- MB-3792G ATX Main Board is well designed to work with EC-1012/1022 Chassis.
- EC-1012/1022 also accept general ATX mother board. But prefer to check mechanical drawing first to make sure can fit in.
- **Depth :** 601mm
- **Net/GW (kg):** 8/14(EC-1010/1012/1014), 11/17(EC-1020/1022/1023)

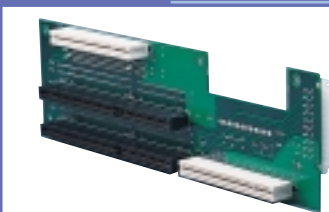
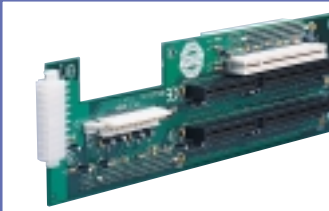
EC-1010/1020 Series

Enhanced 1U/2U Server Chassis

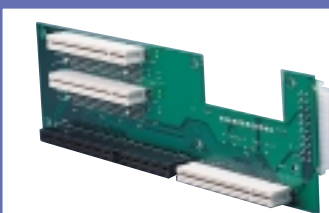
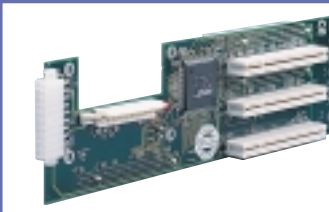
PCI-5SDA



PCI-6SDA



PX-6SDA

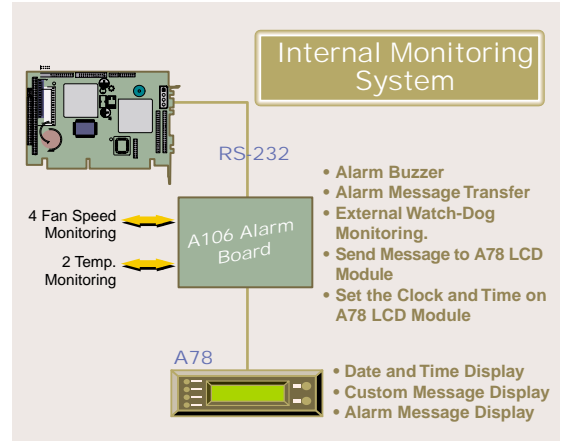


Why use CPU Card with Backplane ?

EC-1010/1020 are designed to use CPU board instead of normal ATX mother board. The main purpose is to let customer easy to plug in **maximum two full length PCI cards(EC-1010) and five full length PCI or ISA cards(EC-1020).**

The system configuration is very suitable for compact size CTI, Image Monitoring, Industrial Automation,..etc applications.

By the way the CPU card also is very easy to be installed or un-installed in the chassis because you only have to fix one screw on the iron plate.



EC-1022 for MB-3792G ATX Main Board

ORDERING INFORMATION

- **EC-1010BID** Enhanced 1U Server Chassis,with PCI-2SD2,IDE HDD Drawer
- **EC-1010BSD** Enhanced 1U Server Chassis, with PCI-2SD2, SCA-2 HDD Drawer
- **EC-1014BID** Enhanced 1U Server Chassis, with PCI64-2SD, IDE HDD Drawer
- **EC-1014BSD** Enhanced 1U Server Chassis, with PCI64-2SD, SCA-2 HDD Drawer
- **EC-1012BID** Enhanced 1U Server ATX Chassis,IDE HDD Drawer
- **EC-1012BSD** Enhanced 1U Server ATX Chassis, SCA-2 HDD Drawer
- **EC-1020BID** Enhanced 2U Server Chassis,IDE HDD Drawer
- **EC-1020BSD** Enhanced 2U Server Chassis, SCA-2 HDD Drawer
- **EC-1020B4ID** Enhanced 2U Server Chassis, 4 IDE HDD Drawer
- **EC-1022BID** Enhanced 2U Server ATX Chassis,IDE HDD Drawer
- **EC-1022BSD** Enhanced 2U Server ATX Chassis, SCA-2 HDD Drawer
- **EC-1022B4ID** Enhanced 2U Server ATX Chassis, 4 IDE HDD Drawer
- **EC-1023BSD** Enhanced 2U Server Intel STL2 Chassis, SCA-2 HDD Drawer
- **EC-1024B4ID** Enhanced 2U Server Chassis, with PCI64-5SD 4 IDE HDD Drawer
- **EC-1024BID** Enhanced 2U Server Chassis, with PCI64-5SD, IDE HDD Drawer
- **EC-1024BSD** Enhanced 2U Server Chassis, with PCI64-5SD, SCA-2 HDD Drawer

Backplane for EC-1020 Chassis

- **PCI-5SDA** 1 PICMG/4 PCI Backplane
- **PCI-6SDA** 1 PICMG/2 PCI/2 ISA Backplane, One PCI can be ISA slot.
- **PX-6SDA** 1 PICMG/5 PCI Bridge Backplane
- **PCI64-5SD** 1 PICMG/4 64 bit PCI Backplane

PCI Riser Card :

- **PCIR-01** One slot PCI Riser Card for EC-1012
- **PCIR-03** Three slots PCI Riser Card for EC-1022

ATX Main Board for EC-1012/1022 Chassis :

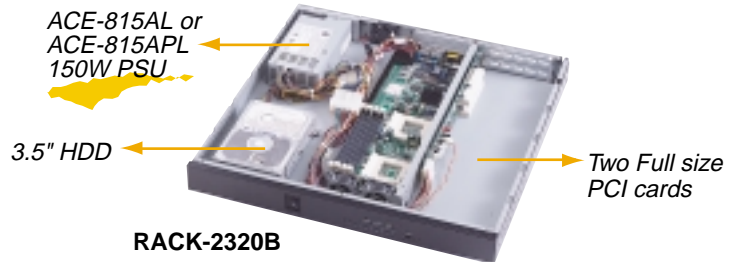
- **MB-3792G** : Dual Socket-370 Processor ATX Main Board with Gigabit Lan
- **MB-3792** : Dual Socket-370 Processor ATX Main Board

RACK-2320/2330

1U Embedded Chassis



RACK-2320B



RACK-2320B



RACK-2330B

A78 2x20 LCD Module



RACK-2330B

SPECIFICATIONS

The RACK-2320/2330 is designed for rack-mounting 1U embedded applications. The embedded application may not need floppy or CD-ROM access and usually remote controlled or monitored through networking. The potential applications are - internet firewall, internet caching, factory automation, security control station,...etc. This unit standard equipped with ACE-815AL or ACE-815APL 150W ATX power supply. Based on the ATX power supply customer can easy to setup Wake-on-LAN or Wake-on-Modem function to increase the value of system. Even if the additional PCI add-on cards required 3.3V power supply are working well by the ACE-815AL/815APL ATX power supply.

- 1U Height Rack-mount
- RACK-2330 specially equipped with A78 2x20 characters LCD module with time clock and A106 alarm board to monitor Temp. and Fans.
- Support full size PICMG CPU board
- Accept two PCI add-on cards
- Drive space for one internal 3.5" HDD
- Equipped with ACE-815AL or ACE-815APL(with PFC) 150W power supply
- 3x4cm fans for system cooling
- Depth : 429mm(16.89")
- Net/GW (kg): 7/9(RACK-2320), 6/9(RACK-2330)

ORDERING INFORMATION

- RACK— No. / Color / Backplane / Power Supply
- 2320 or 2330 B: Black
W: White PCI-2SD2
PCI64-2SD ACE-815AL or
ACE-815APL

**Contact Supplier
About Other Power
Supply !**

EC-1025

Enhance 2U Server Chassis



Equipped with 300W
Redundant Power Supply

SPECIFICATIONS

- 2U Height Rack-mount
- Equipped with Redundant ATX Power Supply, 300W with PFC function
- Input: 95 ~ 264VAC full range
- Output Rating

Nominal	Regulation	Ripple/Noise	Min. Load	Max. Load	Peak Load
+3.3 V	-5%	50mV	1A	20A	20A
+5 V	5%	50mV	3A	32A	32A
+12 V	-7%	120mV	2 A	16A	20A
-5 V	-10%	120mV	0.05A		0.5A
-12 V	10%	150mV	0.05A		0.8A
+5 VSB	-5%	50mV	0.1A		1.5A

The current output of +3.3V and +5V shall not exceed 32A
Total +3.3V, +5V and 12V power not exceed 285W

- Hold-up time: 16ms min.
- Efficiency: 63% typical.
- Four Removable Hard Disk Drive Bay: Removable with aluminum housing for best cooling performance.
- IDE Interface HDD Bay: Support ATA-100 interface

- SCSI Interface HDD Bay: Support SCA HDD
- Support standard 5.25" CD-ROM and 3.5" Floppy Disk Drive.
- Chassis color: Block (Pantone Black C)
- Operation Temperature: 0-50
- Depth: 601mm

ORDERING INFORMATION

- **EC-1025BDR**
Enhanced 2U Server with 300W redundant power supply, SCA-2 HDD Drawer
 - **EC-1025BIDR**
Enhanced 2U Server with 300W redundant power supply, IDE HDD Drawer
 - **EC-1025B4IDR**
Enhanced 2U Server with 300W redundant power supply, 4 IDE HDD Drawer
- Note: EC-1025 without A78 LCD Module and A106 alarm board.