

# EC-1010 Series EC-1020 Series

## Enhanced 1U/2U Server Chassis

### EC-1026, EC-1027 Support Intel Pentium® 4 System



EC-1010

EC-1020

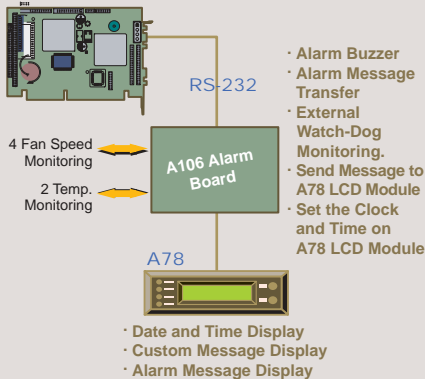
EC-1027



**ACE-840APU2**  
400W ATX Power  
Supply with PFC  
Function

## SPECIFICATIONS

### Internal Monitoring System



- **Height** : 1U - EC-101x series  
2U - EC-102x series
- **Display**: A78 2x20 characters LCD Module with time clock(Year : Hour : Min. : Sec.) function inside
- **Power Supply** : Equipped with Removable power supply which makes it easier for maintenance.  
EC-1010/1012/1014 series — ACE-1010A 170W ATX Power Supply with PFC  
EC-1020/1022/1024 series — ACE-1020A 270W ATX Power Supply with PFC  
EC-1026/1027 series — ACE-840APU2 400W ATX power supply
- **3.5" Hard Disk Drive Bay**: Removable (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.
- **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-1012/1022/1027 Chassis.
- EC-1012/1022/1027 also accepts 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-1020/1022/1024/1026/1027)

### PCI-5SDA



### PCI-6SDA



### PX-6SDA



### ACE-840APU2

Nominal	Regulation	Ripple/ Noise	ACE-840APU2	
			Min.	Max.
+3.3V	-5%	50mV	-	28A
+5V	-5%	50mV	3A	33A
+12V	-5%	120mV	1A	22A
-5V	-5%	50mV	-	0.5A
-12V	-10%	120mV	-	1A
+5Vsb	-5%	100mV	-	2A

The output of +3.3V and +5V shall not exceed 200W. Total output maximum 380W.

## ORDERING INFORMATION

- **EC-1010B DB** ..... Enhanced 1U server chassis , with PCI-2SD2
- **EC-1012B DB** ..... Enhanced 1U server ATX chassis
- **EC-1014B DB** ..... Enhanced 1U server chassis , with PCI64-2SD
- **EC-1020B DB** ..... Enhanced 2U server chassis
- **EC-1022B DB** ..... Enhanced 2U server ATX chassis
- **EC-1024B DB** ..... Enhanced 2U server chassis
- **EC-1026B DB/ACE-840APU2** Enhanced 2U server for P4 chassis
- **EC-1027B DB/ACE-840APU2** Enhanced 2U server for P4 ATX chassis

**DB**: HDD Drive Bay Code

**ID** : IDE Interface    **SD** : SCSI Interface

**4ID** : Four independent IDE Interface (2U)

Backplane for EC-1020/1026 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
- **PCIAGP-5SD** 1 PCIAGP/3 PCI/1 AGP Backplane

Backplane for EC-1024 Chassis

- **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-1022/1027

ATX Main Board for EC-1012/1022/1027 Chassis :

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



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



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