PEM-C200

Micro-ATX Form Factor Evaluation Carrier Board for ETX Module

Fast Ethernet & Dual USB ports
Audio
Dual USB ports
Parallel port
PS/2 Keyboard / Mouse
PCI Expansion slot
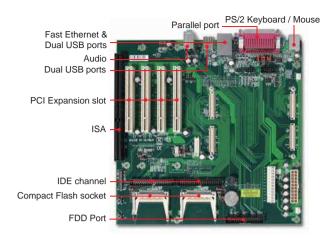ISA
IDE channel
Compact Flash socket
FDD Port

COM port   VGA port

Portwell PEM-C200 is designed with ETX connector type released by ETX industrial group, suitable for initial evaluation testing in PCI, ISA, VGA/LVDS, IDE, LAN, USB, Serial, Parallel, AUDIO, etc. interfaces before developing your own application focused customized carrier board.

FEATURES

- ETX carrier board accept ETX modules
- Micro-ATX form factor to meet most standard mounting space
- On board power and reset switches benefit engineering testing
- Two EIDE, four PCI slots and one ISA slot
- Brings all ETX module function out for evaluation

ORDERING GUIDE

AB1-3246	PEM-C200.MicroATX Form Factor ETX Base Board

GENERAL

ETX Module	- Portwell ETX series Module - ETX® Revision 1.0
BIOS	- AMI Aptio/Core8 BIOS - Award Legacy BIOS - Phoenix SCT2 BIOS - Default support BIOS on ETX Module
Storage Devices	- 2x EIDE up to Ultra DMA 100 - 2x CF up to CF 4.0 UDMA mode 5 (100MB/s)
Watchdog Timer	- Programmable via S/W from 1sec to 255min
Expansion Interface	- 4x PCI expension connector at 33 MHz - ISA Interface with Plug and Play ISA Version 1.0a
Hardware Monitors	- CPU Voltage and Temperature
Power Requirement	- ATX Version 1.0
Dimension	243.8mm(L) x 243.8mm(W), 9.6"(L) x9.6"(W), PCB: 6 layers
Environment	- Operation Temperature: 0~60 ℃ - Storage Temperature: -20~80 ℃ - Relative Humidity: 5~90%

DISPLAY

Graphic Controller	Depend on ETX module
Graphic Memory	Depend on ETX module
Display Interface	Support VGA, LVDS interfaces

REAR I/O

PS/2 Keyboard & Mouse
Parallel
GbE & Dual USB ports
Audio
COM
VGA
Dual USB ports

USB 2.0   Watch DOG   H/W Monitor   GPIO