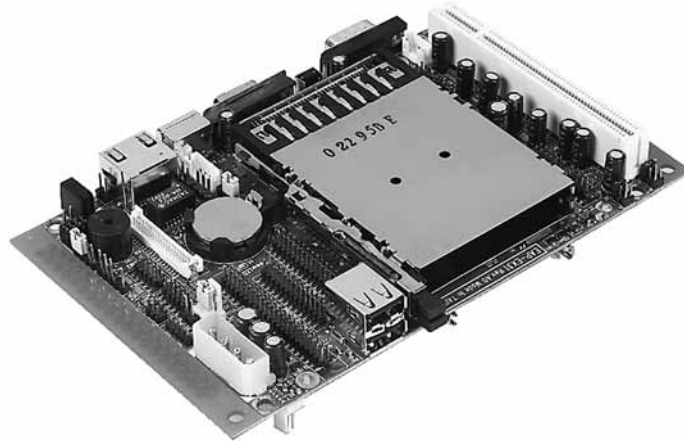


EAP-EX31

3.5" SOM-ETX



FEATURES

- 3.5" Single Board Computer Form Factor
- Accepts ESM-2440, ESM-2640, ESM-2645, ESM-2643 and other SOM-ETX compatible CPU modules
- Supports LVDS interface
- 4 COM/2 USB/1 Parallel/1IrDA Port
- RICOH R5C476II Card Bus Controller supports Dual PCMCIA Type I/II slots
- Supports Type I & II Compact Flash Disk

Ordering Information

- EAP-EX31
3.5" SOM-ETX Carrier Board

SPECIFICATIONS

General Functions

| | |
|---------------------------|--|
| Form factor | 3.5" HDD Size |
| SOM-ETX CPU module socket | Supports ESM-2440, ESM-2640, ESM2643, ESM2645 and other SOM-ETX compatible CPU modules |
| I/O Chipset | Winbond W83977EF-AW |
| Enhanced IDE | Supports two EIDE devices |
| FDD interface | Supports two floppy disk drives |
| Parallel port | Supports one LPT |
| Serial port | Three RS-232 serial ports and One RS-232/422/485 |
| KB/Mouse connector | PS/2 keyboard and mouse |
| USB connectors | One double deck USB connector supports dual USB ports |
| IrDA | 5 x 1, pitch 2.0mm header |

PCMCIA

| | |
|------------------|----------------------------|
| Chipset | RICOH R5C476II |
| PCMCIA interface | 2 x PCMCIA Type I/II slots |

Expansion Interface

| | |
|---------------|----------------------|
| PCI interface | One PCI slot onboard |
|---------------|----------------------|

SSD Interface

| | |
|---------------|---|
| SSD interface | One CF socket supports Type I/II Compact Flash Card |
|---------------|---|

Connectors

| | |
|---------------------|---|
| External connectors | PS/2 KB & Mouse, Dual USB ports, RJ45, LPT1 (DB-25), COM1 (DB-9), VGA (DB-15) |
| LVDS connector | One Hirose DF013-40DP-1025V |
| TV-out connector | One 3 x 2, pitch 2.0mm header |
| Audio connector | One 5 x 2, pitch 2.0mm header |
| Power connector | 3.5" HDD type |

Mechanical and Environmental

| | |
|-----------------------|---|
| Power requirements | +5V @ 1.3 A (with NS Geode GX1 300MHz & 64MB SDRAM) |
| Operating temperature | 0 to 60°C |
| Board size | 146mm x 101mm |
| Weight | 0.2kg |