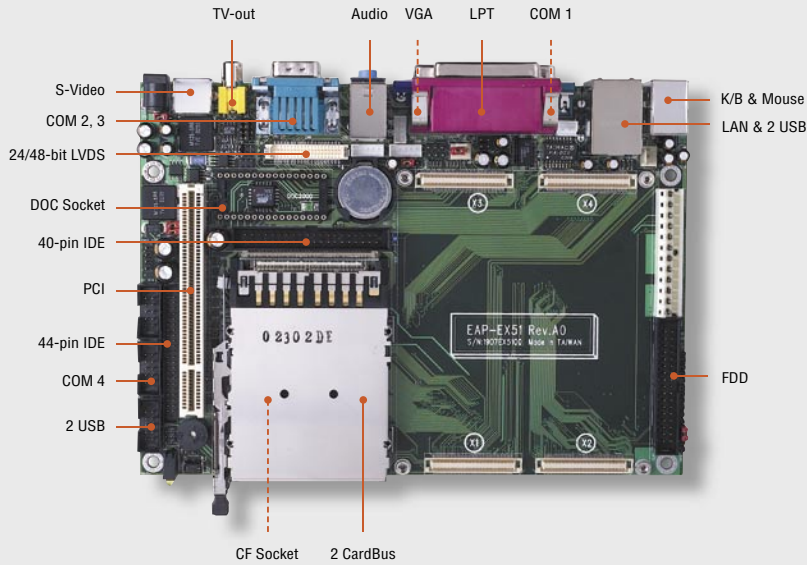




# EAP-EX51

## 5.25" SOM-ETX Carrier Board



### Features

- 5.25" Single Board Computer Form Factor
- Accepts Evaluate's & 3rd Party's ETX CPU Module
- VGA / LVDS / Audio / TV-out Interface
- 2 CardBus, 1 PCI
- Type I/II CF, 1 DOC
- 4 COM, 4 USB

TV-out

Dual CardBus

4 COM

DOC

### Specifications

#### System

• <b>Form Factor</b>	5.25" CD-ROM Drive size
• <b>CPU Module Socket</b>	Supports Evaluate ESM-2440, ESM-2640, ESM-2643, ESM-2645, ESM-2646, ESM-2740 & other SOM-ETX compatible CPU modules
• <b>I/O Chip</b>	Winbond W83977EF-AW
• <b>SSD</b>	One M-Systems DiskOnChip, one CompactFlash Type I/II socket
• <b>Expansion</b>	One PCI slot

#### I/O

• <b>MIO</b>	4 x EIDE, 2 x FDD, 1 x LPT, 3 x RS-232, 1 x RS-232/422/485, 1 x K/B, 1 x Mouse
• <b>IrDA Connector</b>	5 x 1, pitch 2.0 mm wafer
• <b>USB Connector</b>	One double deck USB connector supports dual USB ports and one 5 x 2, pitch 2.54 mm header supports additional dual USB ports

#### CardBus

• <b>Chipset</b>	RICOH R5C486
• <b>CardBus Interface</b>	2 x CardBus Type I/II slot

#### Connectors

• <b>External Connector</b>	PS/2 K/B & Mouse (Mini-DIN), Dual USB, RJ-45, LPT1 (DB-25), COM1 (DB-9), COM2 (DB-9), COM3 (DB-9), VGA (DB-15), S-Video, Composite Video jack, Mic in/Line in/Line out audio jacks
• <b>LVDS Connector</b>	One HIROSE DF13-40DP-1.25V
• <b>Power Connector</b>	AT connector supports ATX & DC 24V power jack

#### Mechanical & Environmental

• <b>Power Requirement</b>	+5 V @ 1.3 A (with AMD Geode GX1 300 MHz & 64 MB SDRAM)
• <b>Power Type</b>	AT/ATX
• <b>Operating Temperature</b>	0-60°C (32-140°F)
• <b>Operating Humidity</b>	0%-90% relative humidity, noncondensing
• <b>Size (L x W)</b>	8" x 5.75" (203 mm x 146 mm)
• <b>Weight</b>	0.44 lbs (0.2 Kg)

### Supported SOM-ETX CPU Modules

- **ESM-2740**  
Intel® Pentium® M / Celeron® M SOM-ETX Module
- **ESM-2646**  
VIA Eden-N ESP8000 800 MHz SOM-ETX Module
- **ESM-2640-P8**  
Mobile Intel® LV Pentium® III 800 MHz SOM-ETX Module
- **ESM-2645**  
Transmeta Crusoe TM5800 800 MHz SOM-ETX Module
- **ESM-2643**  
VIA Eden ESP6000 667 MHz SOM-ETX Module
- **ESM-2440**  
AMD Geode GX1 300 MHz SOM-ETX Module

### Ordering Information

- **EAP-EX51**  
5.25" SOM-ETX Carrier Board
- **ACC-CFC-xx**  
CompactFlash Card Series (xx = Capacity, Capacity Option: 8, 16, 32, 64, 128, 256, 512 MB)
- **ACC-DOC 2000-xx**  
DiskOnChip 2000 (xx=Capacity, Capacity Option: 16, 24, 32, 48, 64, 80, 112, 144, 288, 576 MB up to 1 GB)