

EBX Baseboard

EBX Carrier Board for COM Express® Type 2 Module



Features

- COM Express® carrier board for Ampro by ADLINK™ Type 2 COM Express® modules
- EBX form factor for compact designs
- 2 SATA, 1 PCIe x1, Mini PCI, PCIe Mini Card
- Dual independent LVDS, DVI
- IEEE 1394
- HD Audio 7.1 channels
- Legacy Super I/O



Specifications

Form Factor

EBX 5.75x8"
Supports COM Express® Basic Type 2

Bus Interface

PCI Express x1

Expansion

CompactFlash Socket
PCI Express Mini Card Socket
Mini PCI Socket

I/O

PATA – One EIDE device with Ultra DMA 100/66/33
SATA – 2 ports
PC-style connectors:
– IEEE 1394 single port
– 2 SATA
– 2 Gigabit Ethernet with PXE
On pin header
– 8 USB 2.0 - 1 dedicated to Mini PCle
– Serial – 4 ports: 2 RS-232, 2 RS-232/422/485
– Parallel Port
– 1 IDE supports 2 devices
Keyboard/Mouse – PS/2 interface
Audio – High Definition 7.1 channels

Network Interface

Ethernet - Dual GbE : one from the module and one Intel® 82572EI on PCIe x1 lane;
dual RJ-45 connectors with two LED indicators

Video Interface

Supports VGA, dual LVDS interfaces with dual display capability, SDVO-DVI, TV-out (composite, S-Video, component)

Other features

System front panel connector
–System speaker, HDD LED, Pwr LED, Reset
3 Fan Headers (CPU, NB & System)
ACPI w/S3 support
SMBus support

Software & Development Tools

BIOS – AMI (on COM Express® module)

Mechanical and Environmental

Size – 203 x 146 mm (8 x 5.75"); EBX form factor
Power Requirements – ATX power supply
Temperature
• Standard: –20° to +70°C
• Extended: –40° to +85°C
• Storage: –40° to +85°C
Board Thickness – .093" (2.36 mm)

Ordering Information

Model Number	Description/Configuration
COM-EBX-R-00	EBX form factor board for COM Express® Type 2 module

Supported COM Express™ Modules

Model Number	Description/Configuration
COM 840	COM Express® Module with Intel® Core™2 Duo Processor and GME965 chipset
Express-CBR	COM Express® Module with Intel® Core™ i7 Processor and QM57 Chipset
Express-ATR	COM Express® Module with Intel® Atom™ Processor N270 and 945GSE / ICH7-M Chipset

