

# EBX Baseboard

EBX Carrier Board  
for COM Express™ Type II Module

Ampro by ADLINK™ Extreme Rugged™



## Features

- COM Express™ carrier board for Ampro by ADLINK™ Type II 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 II

### 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 PCIe  
– 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

Size – 203x146mm (8x5.75"); EBX form factor  
Power Requirements – ATX power supply  
Environmental  
–Temperature  
• Standard: –20° to +70°C  
• Extended: –40° to +85°C  
• Storage: –40° to +85°C  
Board Thickness – .093" (2.36mm)

## Ordering Information

Model Number	Description/Configuration
COM-EBX-R-00	EBX form factor board for COM Express™ Type II 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

