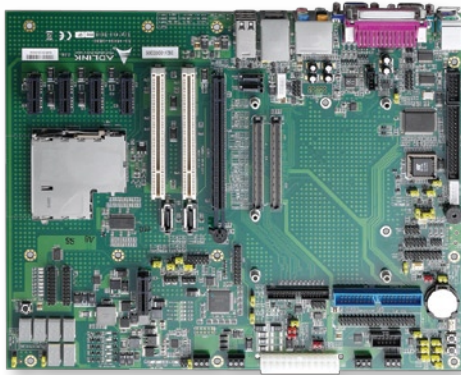


Express-BASE

COM Express™ Reference Carrier Board with ATX Form Factor



Features

- Five PCI Express® x1 slots
- PCI Express x16 Graphic slot / SDVO slot
- Two Legacy 32-bit PCI slots
- Dual LPC BIOS, single step execution
- LPC Super I/O (enable/disable)
- CF Card or Express Card
- Integrated POST Code
- ATX / AT or Battery Powered

Specifications

Form Factor

Core Module Interface	PICMG® COM Express™ Revision 1.0
Dimensions	Supports Type 1 and Type 2 Basic Form Factor Modules
Expansion Busses	305 mm x 240 mm (AT/ATX)
	One 32-bit PCI™ v2.3 slot
	Five PCI Express® x1 slots
	One PCIe x16 slot / SDVO slot
	LPC bus header

BIOS / Debug

POST LEDs	Onboard diagnostics for BIOS POST code data and address on LPC bus
	Allows single step BIOS execution
Secondary BIOS	Onboard socket for secondary LPC BIOS on carrier

Active Components

Audio	ALC880 High Definition Audio Codec
Super I/O	Winbond WF83627HG on LPC

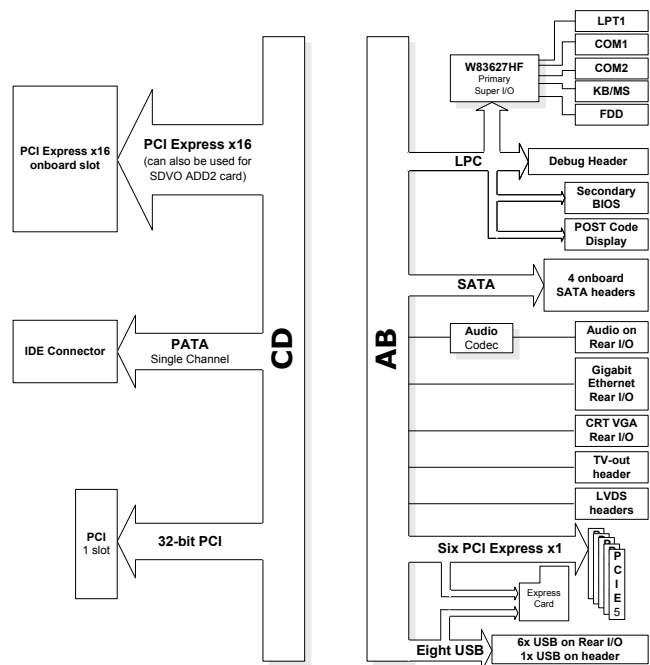
Connectors

COM Express™	Two x 220-pin (Type 2)
CRT	DB15 on Rear I/O panel for VGA/CRT displays
LVDS	Two onboard headers supporting dual channel LVDS
TV-out	8-pin header (extension cable included)
Audio	Mic/Line-in/Speakers on rear I/O panel, Mic/Line-in on header, S/PDIF on header
PATA IDE	One 40-pin header
SATA IDE	Four SATA connectors
PCIe Mini Card	One socket onboard
LAN	10/100/1000BaseT compatible RJ45 on rear I/O panel
USB 2.0	Four + two on rear I/O panel, two on header and one through Mini Express Card
Serial Port	One DB-9 on rear I/O panel, one header onboard
Parallel Port	One DB-25 on rear I/O panel
FDD	34-pin header
KB/Mouse	Two 6-pin mini DIN (on rear I/O panel)
Digital I/O	8-pin header

Power and Operation

Connectors	Standard ATX or 12 V terminals
Switches	Onboard RESET button and ATX mini switch

Functional Diagram



Ordering Information

Carrier

Model Number	Description/Configuration
Express-BASE	COM Express™ Reference Carrier Board in ATX Formfactor



Ask for availability