

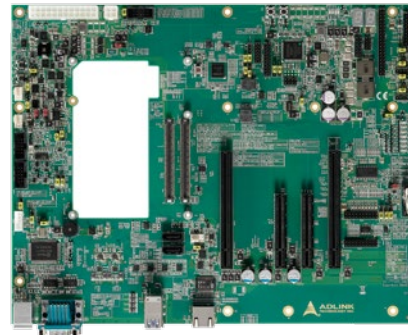
Express-BASE7

COM Express® Type 7 Reference Carrier Board in ATX Form Factor

Features

- Supports up to four 10GBASE-KR and associated sideband signals
- Supports NC-SI interface
- One PCI Express x16 slot, Two PCI Express x8 slots
- Supports 10GbE adapter card via PCIe x16 slot
- Dual BIOS (SPI bus)
- Conforms to COM Express® Carrier Design Guide

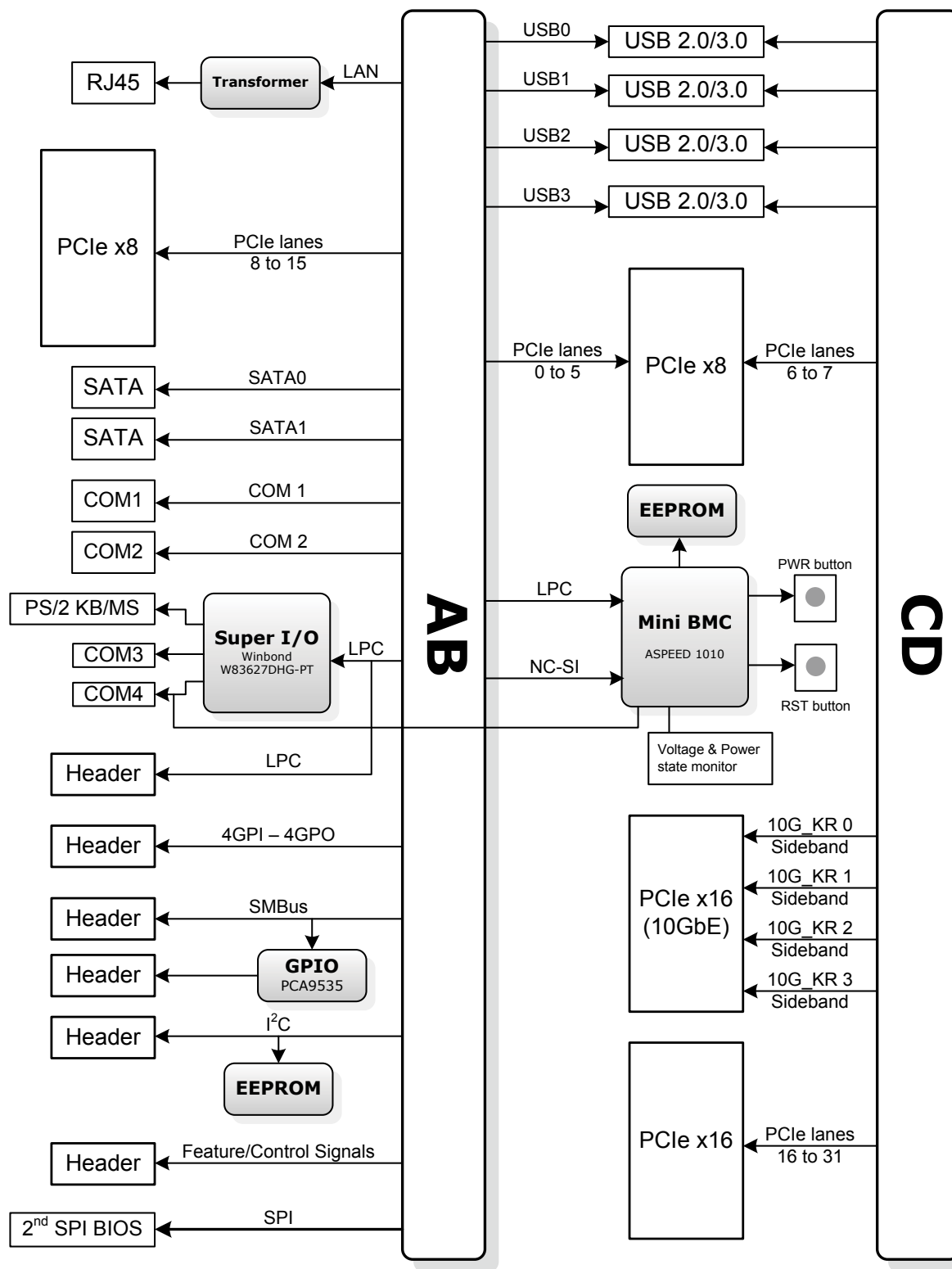
New



Specifications

- **Core Module Interface**
 PICMG COM Express Revision 3.0
 Supports Type7 module in Basic or Compact form factor
- **Dimension**
 305 mm x 244 mm (ATX)
- **Expansion Busses**
 1 PCI Express x16 slot
 2 PCI Express x8 slots
- **POST LEDs**
 Onboard diagnostics for BIOS POST code data and address on LPC bus
- **Secondary BIOS**
 Onboard socket for secondary SPI flash
- **Super I/O**
 Winbond WF83627DHG on LPC bus
- **Digital I/O**
 I2C to GPIO bridge PCA9535
- **Connectors**
 Two 220-pin board-to-board connectors (Type 7)
- **10GbE LAN**
 Up to four 10GBASE-KR and related sideband signals
 1 PCI Express x16 slot routes signals from COM Express module to 10GbE card adapter (proprietary pinout)
- **GbE LAN**
 10/100/1000BASE-T
 compatible RJ-45 on I/O panel
 GbE_SDP support
- **NC-SI and IPMI BMC**
 NC-SI interface connect COM Express module and IPMI BMC
 IPMI BMC (Lite version) on carrier board
 Note: support by project basis
- **SATA**
 2x SATA ports
- **USB**
 4x USB 3.0/2.0 ports
- **Serial Port**
 2x DB-9 on I/O panel (from Winbond Super I/O)
 2x onboard 10-pin header (from COM Express module)
- **KB/Mouse**
 2x 6-pin mini-DIN
- **Feature Connectors**
 SMBus, I2C, module control signals
- **Miscellaneous**
 Reset, Power LED, HDD LED, Buzzer

Functional Diagram



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[Express-BASE7 support PCIe Gen4](#)