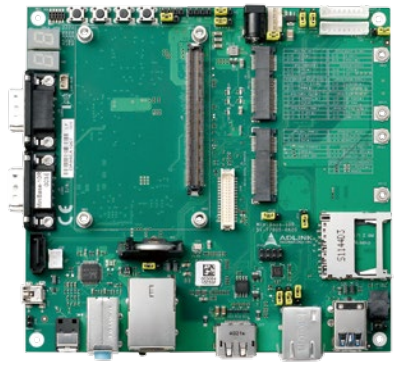
miniBASE-10R

COM Express® Type 10 Reference Carrier Board

Features

- Carrier board for ADLINK Type 10 modules (excluding nano-TC/TCR)
- 2x USB 3.0, 2x USB 2.0, and 1x USB client
- Supports DisplayPort and LVDS (eDP optional)
- 1x SD card slot
- 2x Mini PCIe card slots (one supports mSATA cards)
- 2x RJ-45 LAN connectors
- Conforms to COM Express Carrier Design Guide rev. 2.0
- Supports Smart Battery and 19V adapter power supply



Specifications

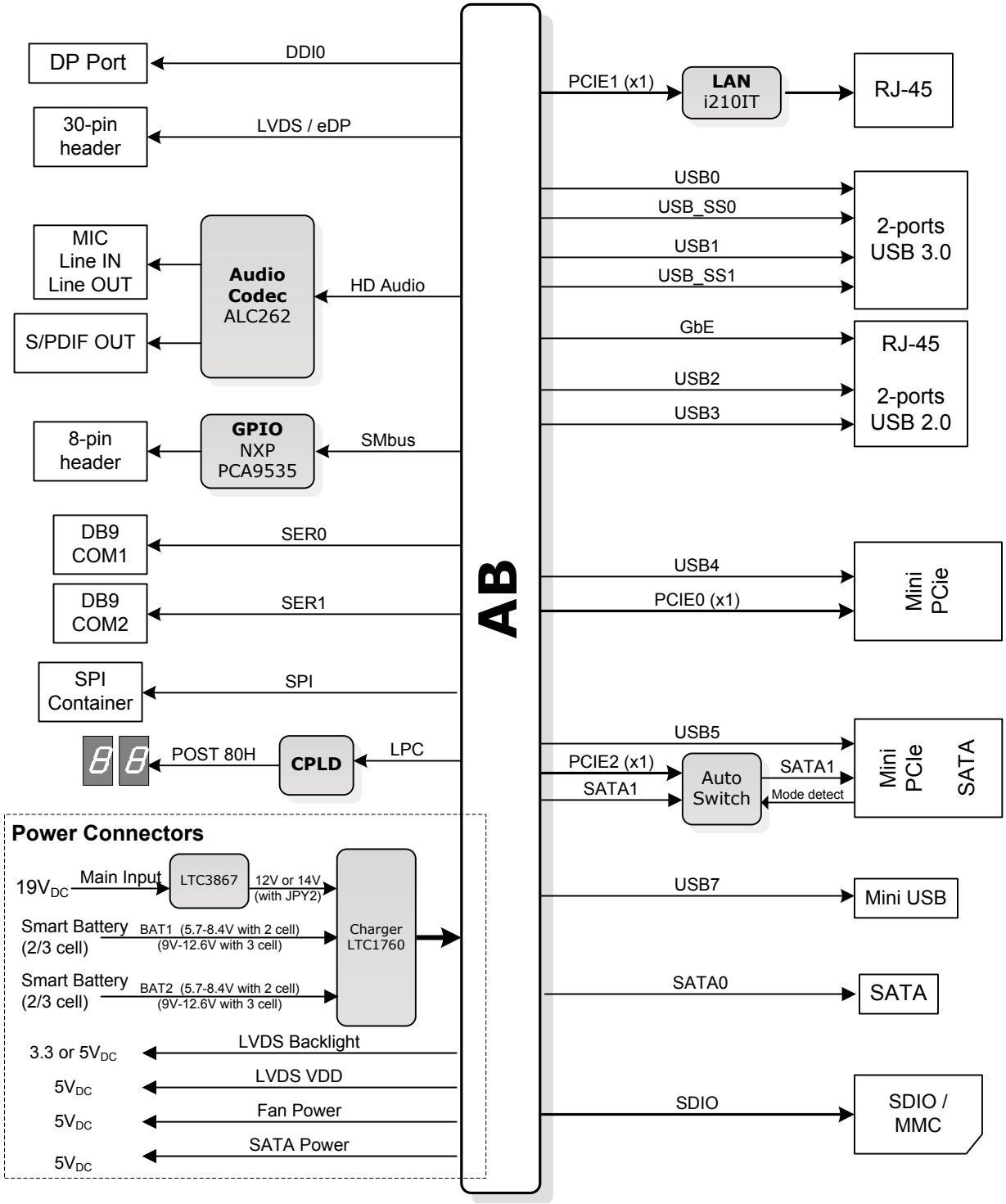
- **Form Factor**
  - **Core module interface**
    PICMG® COM Express® Revision 2.1
    Supports Type 10 modules in Mini form factor
  - **Dimensions**
    150 mm x 142 mm
- **BIOS/Debug**
  - **POST LEDs**
    Onboard diagnostics for BIOS POST code data and address on LPC bus
  - **Secondary BIOS**
    Onboard socket for secondary SPI flash
- **Audio**
  - **Audio Codec**
    Realtek ALC262 on DB-Audio2 daughter board (optional)
  - **Interface**
    Line-in, Line-out, Mic-in on DB-Audio2 daughter board (optional)
  - **Audio**
    Realtek audio codec
  - **Digital I/O**
    SMBus to GPIO bridge
- **LAN**
  - **GbE controllers**
    Dual Intel GbE Controller i210 (one from COM Express module, one from carrier board)
- **Connectors and Interfaces**
  COM Express: 1x 220-pin (Type 10)
  LVDS: 1x onboard header
  Display Port: 1x onboard header
  Audio: Mic/Line-in/Line-out on I/O panel
  SATA: 1x SATA connector
  Connectors and Interfaces (one supports mSATA cards)
  LAN: 2x LAN supports, 10/100/1000BASE-T compatible RJ-45 on I/O panel
  - **USB**
    2x USB 3.0 on I/O panel
    2x USB 2.0 on I/O panel
    1x USB client
  - **Serial Port**
    2x DB-9 on I/O panel
  - **SD card**
    1x socket onboard
  - **Smart Battery**
    1x 10-pin header for Smart Battery management communications (connects to ADLINK BattMan board)
  - **GPIO**
    GPIO 8-pin header
  - **Module control bus**
    SMBus, I^2C
  - **Miscellaneous**
    Reset button, Lid button, Sleep button, Power button, Power LED, HDD LED

Ordering Information

- **miniBASE-10R**
  COM Express® Type 10 Reference Carrier Board

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Functional Diagram



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