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 BatzMan board)
  GPIO
  GPIO 8-pin header
  Module control bus
  SMBus, I²C
  Miscellaneous
  Reset button, Lid button, Sleep button, Power button, Power LED, HDD LED

Ordering Information

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