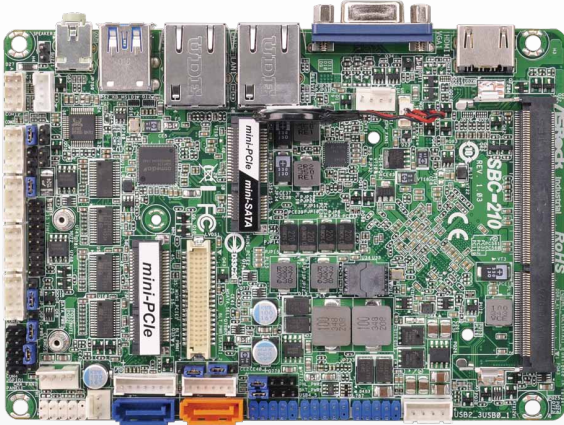


SBC-210

3.5" SBC Motherboard

Spotlight Features

- Intel® Atom™ Baytrail-M/D Processor
- Integrated Intel® Gen7 Intel Graphics DX 11, OGL3.2
- Supports Single Channel DDR3L 1333MHz, 1 x SO-DIMM, up to 8GB system memory
- 1 x COM (RS-232/422/485), 3 x COM (RS-232)
- 1 x HDMI, 1 x D-Sub, 1 x Dual Channel 24-bit LVDS
- 2 x USB 3.0, 6 x USB 2.0, 2 x SATA2
- 1 x mini-PCIe, 1x mSATA (shared)
- Gigabit LAN : 2 x Realtek Lan
- 1 x TPM Header
- 9~36 V DC-in



Specifications

| Processor System | |
|------------------------|--|
| Dimension | 3.5" SBC (5.8-in x 4.0-in) / (146 x 102 mm) |
| CPU | Intel® new Atom™ Baytrail-M/D Supports Hyper-Threading Technology |
| Core Number | 4 |
| Max Speed | (By CPU) |
| L3 Cache | 2MB |
| Chipset | N/A |
| BIOS | UEFI |
| Expansion Slot | |
| PCI | 0 |
| Mini-PCIe | 1 (Half Size) + 1 (Full Size) shared with mSATA |
| mSATA | 1 (Full Size) shared with SATA2 |
| PCIe | 0 |
| CFast Card Socket | 0 |
| Memory | |
| Technology | Single Channel DDR3L 1333 MHz SDRAM |
| Max. | 8GB |
| Socket | 1 x SO-DIMM |
| Graphics | |
| Controller | Intel® Gen7 Intel Graphics DX 11*, OGL3.2 |
| VRAM | Shared Memory |
| VGA | Supports max. resolution 1920 x 1200 |
| LVDS | Dual channel 24-bit, max resolution 1920 x 1200@60Hz |
| HDMI | Supports HDMI 1.4a, max resolution 1920x1200 |
| DVI | No |
| Display Port | No |
| Multi Display | Yes (Dual Display) |
| Ethernet | |
| Interface | 10/100/1000 Mbps |
| Controller | GbE LAN: Realtek RTL8111G-CG |
| Connector | 2 x RJ-45 |
| SATA | |
| Max Data Transfer Rate | SATA2 (3.0Gb/s) |

| Rear I/O | |
|--------------|-----------------------|
| VGA | 1 |
| HDMI | 1 |
| DVI-I/D | 0 |
| Display Port | 0 |
| Ethernet | 2 |
| USB | 2 x USB 3.0 compliant |
| Audio | 1 (Line out) |
| Serial | 0 |
| PS/2 | 0 |

| Internal Connector | |
|---------------------|--|
| USB | 6 (3*2.54 pitch header USB 2.0 compliant) |
| LVDS/Inverter | 1/1 |
| VGA | 0 |
| Serial | 4 (RS-232) |
| SATA | 2x SATA2 (3.0Gb/s) |
| m-SATA | 1 (shared) |
| Mini-PCIe | 1 |
| Parallel | 0 |
| IrDA | 0 |
| GPIO | 4 x GPI + 4 x GPO |
| SATA PWR Output Con | 1 |
| Speaker Header | 1 |

| Watchdog Timer | |
|----------------|----------------------------------|
| Output | From Super I/O to drag RESETCON# |
| Interval | 256 segments, 0,1,2...255sec/min |

| Power Requirements | |
|--------------------|--|
| Input PWR | 9-36V DC-In using 4-pin ATX PWR Con |
| Power On | AT/ATX Supported AT : Directly PWR on as Power input ready ATX: Press Button to PWR on after Power input ready |

| Environment | |
|-----------------------|------------|
| Operating Temperature | 0°C – 60°C |