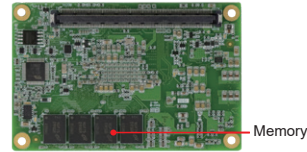


Features

- Onboard Intel® Atom® x7-E3950/ x5-E3940/ x5-E3930 Processor [i-Temp support]
- Onboard DDR3L memory with ECC support
- 1x Intel® I210IT Gigabit LAN
- TPM (2.0), eMMC5.0 (optional)
- Wide-range operating temperature from -40°C to 85°C



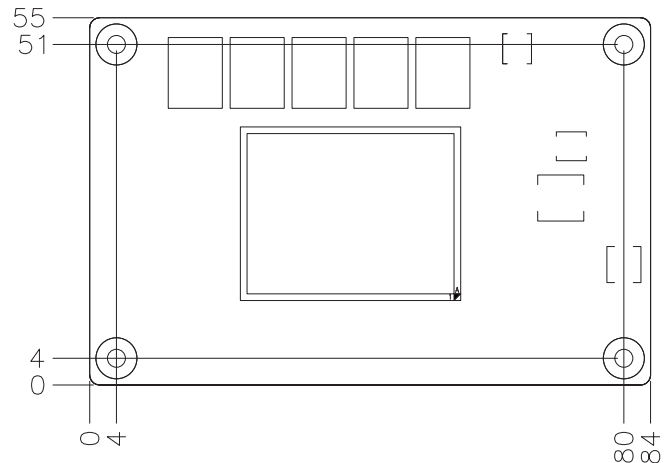
Specifications

| | |
|--------------------------|--|
| CPU | Intel Atom® x7-E3950 Processor (1.6GHz~2.0GHz) Intel Atom® x5-E3940 Processor (1.6 GHz~1.8GHz) Intel Atom® x5-E3930 Processor (1.3 GHz~1.8GHz) |
| PCH | Integrated in Intel® SoC |
| Memory | Onboard 4GB memory, DDR3L 1600MHz with ECC |
| BIOS | AMI |
| Watchdog Timer | 256 levels |
| H/W Monitor | Yes |
| Storage Device Interface | eMMC 5.0 up to 32GB (optional) |
| Expansion Slots | 4x PCI-E(x1) |
| Graphics Controller | Intel® SoC integrated Gen9-LP graphics |
| Video Output | 1x DDI 1x LVDS or 1x eDP (optional) |
| Ethernet | Intel® I210IT Gigabit LAN |
| I/O Chipset | F81804U-I |
| Serial Port | 2x UART (Tx/Rx only) |
| USB 2.0 | 8x USB 2.0 via carrier board |
| USB 3.X | 2x USB 3.0 via carrier board |
| Serial ATA | 2x SATA III |
| Audio | Intel® Atom® SoC built-in HD audio controller |
| TPM | TPM (2.0) |
| Others | I2C |
| Dimensions (L X W) | 84mm x 55mm (3.3" x 2.17") |
| Power Consumption | Intel® Atom® E3950 1.6GHz w/ 4GB LDDR3L 1600 + 12V: 1.42A |
| Operating Temperature | -40°C ~ 85°C (-40°F ~ 185°F) |
| Storage Temperature | -40°C ~ 90°C (-40°F ~ 194°F) |
| Relative Humidity | 90% (non-condensing @60°C) |

Ordering Information

| | |
|-------------|--|
| ET876-X7LV | COM Express (Type-10) CPU Module with Intel® Atom® x7-E3950 (2.0GHz) on board, LVDS, 4GB DDR3L memory on board |
| ET876-X5QLV | COM Express (Type-10) CPU Module with Intel® Atom® x5-E3940 (1.8GHz) on board, LVDS, 4GB DDR3L memory on board |
| ET876-X5LV | COM Express (Type-10) CPU Module with Intel® Atom® x5-E3930 (1.8GHz) on board, LVDS, 4GB DDR3L memory on board |
| IP417 | Mini-ITX COM Express Type-10 (R3.0) carrier board |
| HSET876-1 | Heat spreader for ET876-420/ 335 |
| HSET876-X-1 | Heat spreader for ET876-X7/ X5Q/ X5 |
| HSET876-A | Heatsink w/ FAN for ET876-420/ 335 |
| HSET876-X-A | Heatsink w/ FAN for ET876-X7/ X5Q/ X5 |
| HSET876-X-B | Heatsink w/o FAN for ET876-X5 (only temp -40°C ~80°C) |

Dimensions and Drawing



1 Single Board Computers

2 CPU Modules

3 Motherboards

4 CPU Cards