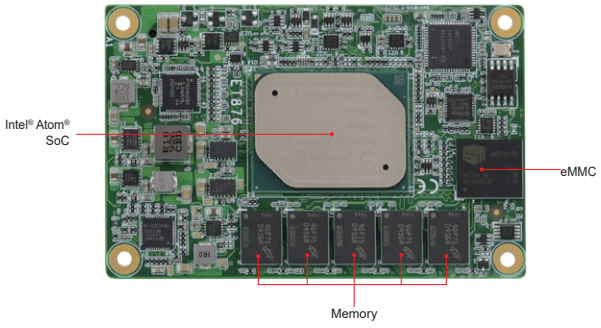
ET876

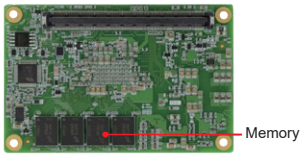
Intel® Atom® x7/x5
COM Express Type-10 (R3.0)

Wide Temperature



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



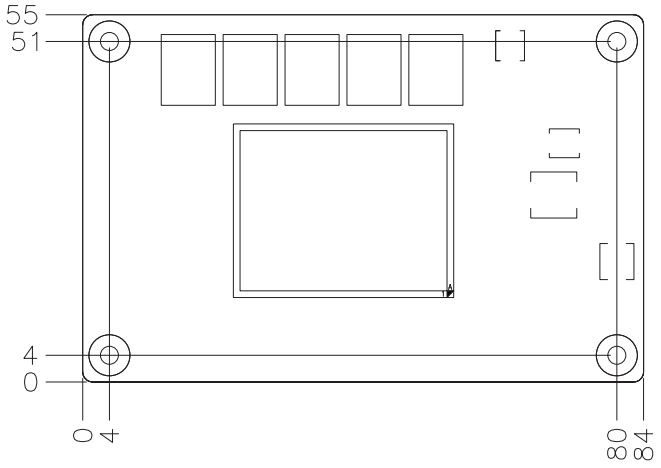
Specifications

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



Remarks: 1. Specifications are subject to change without prior notice. 2. ODM/OEM is available. 3. For user's manual & datasheet download, visit www.ibase.com.tw.