



## Features

- Onboard Intel® Atom® x7-E3950/ x5-E3940/ x5-E3930 Processor [i-Temp support]
- Onboard Intel® Pentium® N4200/ Celeron® N3350
- Onboard LPDDR4 memory
- 1x Intel I210IT Gigabit LAN
- Supports TPM (2.0), eMMC5.0 (optional)
- Wide-range operating temperature in certain models

## 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) Intel® Pentium® Processor N4200 (1.1GHz~ 2.5GHz) Intel® Celeron® Processor N3350 (1.1GHz~ 2.4GHz)
PCH	Integrated in Intel® SoC
Memory Types	Onboard memory, LPDDR4, Max 8GB
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 (optionl)
Ethernet	Intel® I210IT Gigabit LAN
I/O Chip	Fintek 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 via Carrier Board
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® Processor E3950 1.60GHz w/ Onboard LPDDR4 2400MHz 8GB +12V: 1.587A
Operating Temperature	-20°C ~ 60°C (-4°F~176°F)[ET875-420/ET875-335] -40°C ~ 85°C (-40°F~185°F)[ET875-x7/x5]
Storage Temperature	-40°C ~ 90°C (-40°F ~ 194°F)
Relative Humidity	90% (non-condensing @60°C)

## Ordering Information

ET875F1-X7	COM Express (Type-10) CPU Module with Intel® Atom® x7-E3950 (2.0GHz) on board, eDP, 4GB LPDDR4 memory on board
ET875F1-X5Q	COM Express (Type-10) CPU Module with Intel® Atom® x5-E3940 (1.8GHz) on board, eDP, 4GB LPDDR4 memory on board
ET875F1-X5QLV	COM Express (Type-10) CPU Module with Intel® Atom® x5-E3940 (1.8GHz) on board, LVDS, 4GB LPDDR4 memory on board
ET875F1-X5	COM Express (Type-10) CPU Module with Intel® Atom® x5-E3930 (1.8GHz) on board, eDP, 4GB LPDDR4 memory on board
ET875F1-420LVM8G	COM Express (Type-10) CPU Module with Intel® Pentium® N4200 (2.5GHz), LVDS, 8GB LPDDR4 memory on board, eMMC 32GB
ET875F1-335	COM Express (Type-10) CPU Module with Intel® Celeron® N3350 (2.4GHz), eDP, 4GB LPDDR4 memory on board
IP417	Mini-ITX COM Express Type-10 (R3.0) Carrier Board
HSET875-A	Heatsink with FAN for ET875-420/ 335
HSET875-X-B	Heatsink with FAN for ET875-X7/ X5
HSET875-1	Heat Spreader for ET875-420/335
HSET875-X-1	Heat Spreader for ET875-X7/ X5

## Dimensions and Drawing

