



### Features

- Onboard Intel® Atom™ Processor E3845, 1.91GHz
- 1x DDR3L SO-DIMM, Max. 8GB
- Supports CRT, LVDS and 1x DDI
- 1x 10/100Mbps LAN
- Watchdog timer, LPC to ISA
- 1x SATA II, 2x IDE, 4x USB 2.0, 2x COM
- Wide-range operating temperature



ET839 with heat spreader

### Specifications

CPU Type	Intel® Atom™ Processor E3845 SoC, 1.91GHz
System Memory	1x DDR3L SO-DIMM, Max. 8GB
System Chipset	Integrated in Intel® Atom™ SoC
BIOS	AMI
Watchdog Timer	256 levels
SSD	N/A
H/W Monitor	Yes
Expansion Slot	4x ETX connectors for PCI bus, USB, audio, CRT, LVDS, LAN, COM ports, LPT, IDE, PS/2 keyboard/mouse and ISA bus
VGA Controller	Intel® Atom™ SoC integrated Gen. 7 4Eus graphics
VGA Memory	Shared memory
Display Interface	Supports CRT, 24-bit dual-channel LVDS & 1x DDI port
LAN Controller	Realtek 8106E 10/100Mbps LAN
LAN Connector	On carrier board
I/O Chipset	Nuvoton NCT6102D 1x keyboard, 1x mouse, 1x printer, 2x RS232
USB	4x USB 2.0 via carrier board
Serial ATA	1 port SATA 2.0 on board (3.0Gb/sec)
Audio	Intel® Atom™ SoC built-in HD Audio w/ Realtek ALC662 codec
Others	Fintek F85226 (LPC to ISA)
Dimensions	95mm x 114mm (3.74" x 4.49")
Max. Power Requirement	Intel® Atom™ E3845 1.91GHz w/ 2x 4GB DDR3L-1600 +5V : 1.92A
Operating Temperature	-40°C~85°C (-40°F~185°F)
Storage Temperature	-40°C~90°C (-40°F~194°F)
Relative Humidity	10%~90% (non-condensing)

### Ordering Information

ET839-I45	ETX (3.0) CPU Module w/ Intel® Atom™ processor E3845 SoC, CRT, LVDS and 10/100 LAN, heat spreader included
IP412	ETX(3.0) carrier board

### Dimensions and Drawing

