

# Datasheet

## ET839

### iBASE

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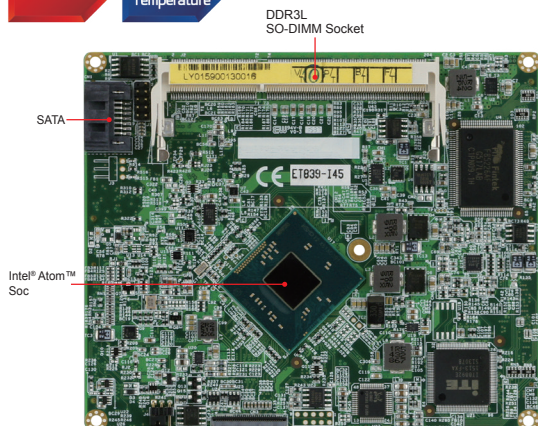
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(All via IP412 baseboard)



ET839 with Heat spreader

## Features

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

## System

|                |   |
|----------------|---|
| CPU Socket     | Intel® Atom™ E3845 SoC, 1.91GHz   |
| System Memory  | 1x DDR3L SO-DIMM, Max. 4GB  |
| System Chipset | Integrated in Intel® Atom™ SoC  |
| BIOS           | AMI BIOS  |
| 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 |

## Graphics

|                |  |
|----------------|--|
| VGA Controller | Intel® Atom™ SoC integrated Gen. 7.4Eus graphics     |
| VGA Memory     | Shared memory  |
| LCD Interface  | Supports CRT, 24-bit dual channel LVDS & 1x DDI port |

## LAN

|            |                              |
|------------|------------------------------|
| Controller | Realtek 8106E 10/100Mbps LAN |
| Connector  | On baseboard                 |

## Multi I/O

|             |   |
|-------------|---|
| I/O Chipset | Nuvoton NCT6102D<br>1x keyboard, 1x mouse, 1x printer, 2x RS232 |
| USB         | 4 ports (USB 2.0) via baseboard                                 |
| SATA II     | 1 port on board (3.0Gb/sec)                                     |
| Audio       | Intel® Atom™ SoC built-in HD Audio<br>w/ Realtek ALC662 codec   |
| Others      | Fintek F85226 (LPC to ISA)                                      |

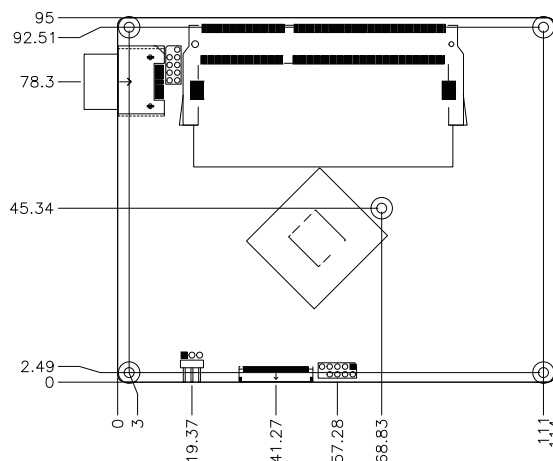
## Mechanical and Environmental

|                        |  |
|------------------------|--|
| Dimensions             | 95mm x 114mm (3.74" x 4.49")                                       |
| Max. Power Requirement | Intel® Atom™ E3845 1.91GHz<br>w/ 2 x 4GB DDR3L-1600<br>+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 | Intel® Atom™ E3845 SoC ETX (3.0) CPU Module w/<br>CRT, LVDS and 10/100 LAN, heat spreader included |
|-----------|--|

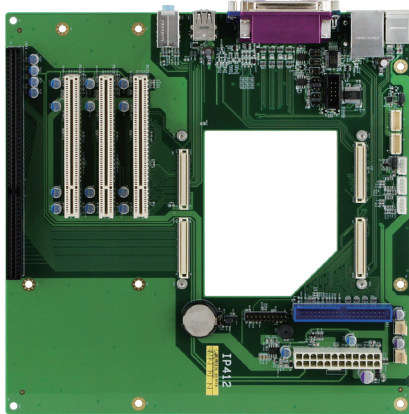
## Dimensions and Drawing



## IP412

## Micro ATX ETX (3.0) Baseboard

NEW



## Features

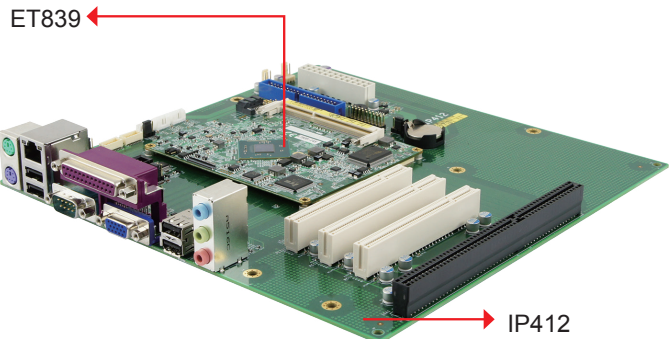
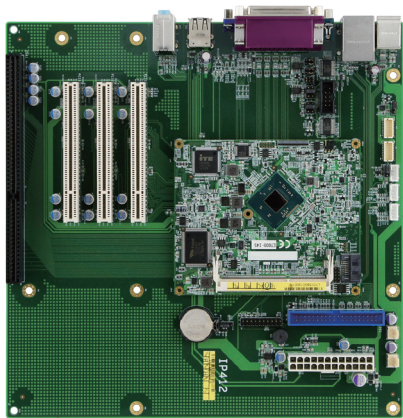
- 1x ISA, 3x PCI expansion slots
- Edge connectors for PS/2 keyboard & mouse, RJ45 + dual USB (2.0), COM, VGA, printer port, 2x USB (2.0), audio connector (Line-out, Line-in & Mic.)
- Onboard headers for COM, LVDS, IDE, ETX connectors
- ATX power connector
- 244mm x 244mm

## Ordering Information

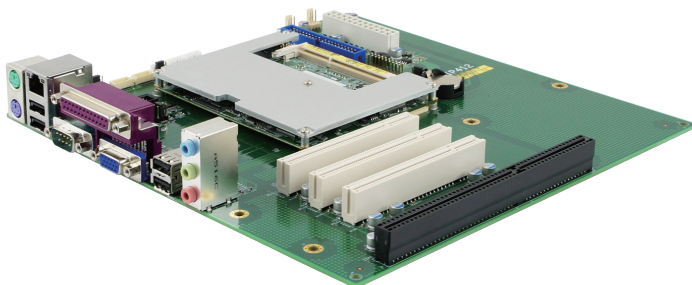
IP412

Micro ATX ETX (3.0) baseboard

## ET839 with IP412 baseboard



## ET839 with heat spreader + IP412 baseboard



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