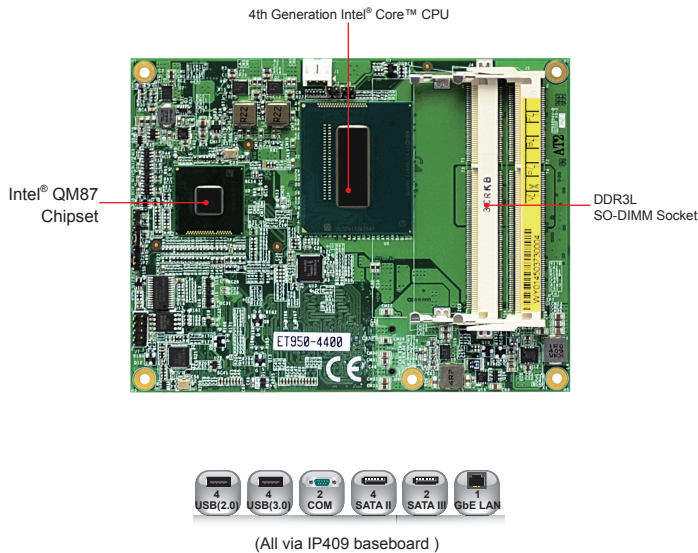


## ET950

4th Generation Intel® Core™ i7/i5/i3 COM Express  
Basic Module (Type 6)

## Features

- Onboard 4th Generation Intel® Core™ i7/i5/i3 QC / DC processors
- 2x DDR3L SO-DIMM, Max. 16GB
- Single Gigabit LAN via baseboard (IP409)
- 2x SATA II, 2x SATA III, 4x USB 3.0, 4x USB 2.0, 2x COM via baseboard (IP409)
- Supports 3x independent displays, DisplayPort/ DVI-I/ DVI-D/ LVDS via baseboard (IP409)
- Supports HD audio via baseboard (IP409)

## System

CPU type	Onboard 4th Generation Intel® Core™ i7/i5/i3 QC / DC processors
System Memory	2x DDR3L SO-DIMM, Max. 16GB (Non-ECC)
System Chipset	Intel® QM87 PCH
BIOS	AMI BIOS
Watchdog Timer	256 levels
SSD	N/A
H/W Monitor	Yes
Expansion Slot	1x PCI-E(x16), 1x PCI-E(x4), 2x PCI-E(x1), 1x Mini PCI-E on baseboard (IP409)

## Graphics

VGA Controller	4th Generation Intel® Core™ Processor integrated graphics, supports DVI-D, DVI-I, DisplayPort, LVDS
VGA Memory	Max. Shared memory – 1024MB
Display Interface	24-bit single channel LVDS on baseboard (IP409)

## LAN

Controller	1x Intel® I217LM Gigabit LAN PHY
Connector	1x RJ45 on baseboard (IP409)

## Multi I/O

I/O Chipset	Nuvoton NCT5523D onboard (support Tx /Rx only) Below functions on baseboard (IP409) 1x LPT, 1x KB, 1x Mouse, 2x SATA II, 2x SATA III, 2x RS232 (full function)
USB	4x USB 3.0 ports via baseboard (IP409) 4x USB 2.0 ports via baseboard (IP409)
Audio	Intel® QM87 PCH built-in audio w/ Realtek ALC662 codec on baseboard (IP409)
Others	Digital I/O (4 in / 4 out) on baseboard (IP409)

## Mechanical and Environmental

Dimensions	95mm x 125mm (3.74" x 4.49")
Max. Power Requirement	Intel® Core™ i7-4700EQ 2.4 GHz w/ 4GB DDR3-I600 +3.3V: 0.23A +5V: 0.66A +12V: 5.24A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	90% (non-condensing @60°C)

## Ordering Information

ET950-4700	COM Express (Type 6) module with Intel® Core™ i7-4700EQ(2.4GHz) , QM87 PCH, DDR3 dual channel memory
ET950-4400	COM Express (Type 6) module with Intel® Core™ i5-4400E(2.7GHz) , QM87 PCH, DDR3 dual channel memory
ET950-4100	COM Express (Type 6) module with Intel® Core™ i3-4100E(2.4GHz) , QM87 PCH, DDR3 dual channel memory
IP409	Flex ATX baseboard for COM Express (Type 6) module
HSET950-BGA-1	Heatsink w/ fan for ET950 / ET960
HSET950-BGA-2	Heat spreader for ET950 / ET960

## Dimensions and Drawing

