



## Specifications

CPU Type	5th Gen Intel® Core™ i7 mobile processors on board
System Memory	2x DDR3L SO-DIMM, Max. 16GB (Non-ECC)
System Chipset	Intel® QM87 PCH
BIOS	AMI
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 carrier board (IP409)
VGA Controller	Intel® 5th Gen 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 carrier board (IP409)
LAN Controller	1x Intel® I218LM Gigabit LAN PHY
LAN Connector	1x RJ45 on carrier board (IP409)
I/O Chipset	Nuvoton NCT5523D on board (supports Tx/Rx only) Functions on carrier board (IP409): 1x LPT, 1x KB, 1x mouse, 2x RS232 (full function)
USB	4x USB 3.0 via carrier board (IP409) 4x USB 2.0 via carrier board (IP409)
Serial ATA	2x SATA II, 2x SATA III via carrier board (IP409)
Audio	Intel® QM87 PCH built-in audio with Realtek ALC662 codec on carrier board (IP409)
Others	Digital I/O (4-in / 4-out) on carrier board (IP409)
Dimensions	95mm x 125mm (3.74" x 4.92")
Max. Power Requirement	Intel® Core™ i7-5850EQ 2.7GHz w/ 2x 4GB DDR3L-1600 +12V : 6.5A ; +5V : 0.75A +3.3V : 0.2A ; +5VSB : 0.06A
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)

## Features

- Onboard 5th Gen Intel® Core™ i7 mobile processors
- 2x DDR3L SO-DIMM, Max. 16GB
- Single Gigabit LAN via carrier board (IP409)
- 2x SATA II, 2x SATA III, 4x USB 3.0, 4x USB 2.0, 2x COM via carrier Board (IP409)
- Supports 3x independent displays, DisplayPort/DVI-I/DVI-D/LVDS via carrier board (IP409)
- Supports HD audio via carrier board (IP409)

## Ordering Information

ET960-Q26	COM Express (Type 6) CPU Module w/ Intel® Core™ i7-5700EQ (2.6GHz), QM87 PCH, DDR3L dual-channel memory
ET960-Q27e	COM Express (Type 6) CPU Module w/ Intel® Core™ i7-5850EQ (2.7GHz), QM87 PCH, DDR3L dual-channel memory
IP409	Flex ATX COM Express (Type 6) carrier board
HSET950-BGA-1	Heatsink w/ fan for ET950 / ET960
HSET950-BGA-2	Heat Spreader for ET950 / ET960

## Dimensions and Drawing

