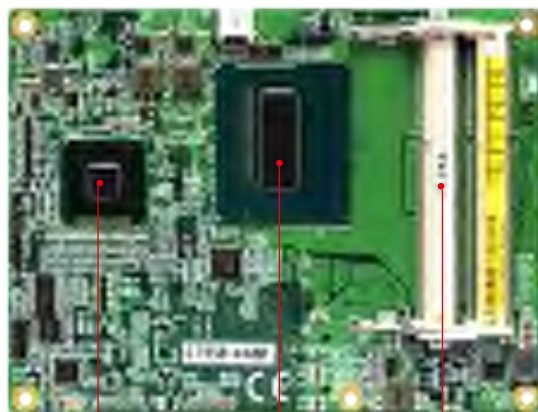


COM EXPRESS (CPU BOARD)



Intel® QM87
Chipset

CPU

SO-DIMM
Socket

System

CPU type	Onboard 4th Generation Intel® Core™ i7/i5/i3 QC / DC processors
System Memory	2x DDR3 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 Gfx, supports DVI-D, DVI-I, DisplayPort, LVDS
VGA Memory	Max. Shared memory – 1024MB
Display Interface	24-bit single channel LVDS on baseboard (IP402)

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)

Features

- Onboard 4th Generation Intel® Core™ i7/i5/i3 QC / DC processors
- 2x DDR3 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 max. 3x independent displays, DisplayPort/ DVI-I/ DVI-D/ LVDS via baseboard (IP409)
- Supports HD audio via baseboard (IP409)

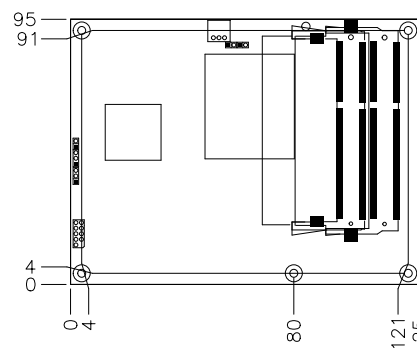
Mechanical and Environmental

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
HSET950-BGA-2	Heat spreader for ET950

Dimensions and Drawing



IP409 Flex ATX COM Express (Type 6) Baseboard

COM EXPRESS (Baseboard) Perfect for ET950



Features

- Fintek F81846AD-I Super I/O
- Watchdog timer, 4-in / 4-out digital I/O
- 1x PCI-E(x16) , 1x PCI-E(x4), 2x PCI-E(x1), 1x Mini PCI-E expansion slots
- Edge connectors for 2x COM (from onboard Super I/O), DVI-I, DVI-D, RJ45+ dual USB (3.0), DisplayPort + dual USB (3.0), audio connector (Line-out, Line-in & Mic.)
- Onboard headers for 2x COM (from COMe module), 1x KB/MS, 2x SATA III, 2x SATAII, 2x LVDS, 4x USB (2.0), 1 x LPT , COM Express (Type 6) connector
- ATX power connector
- 190mm x 228mm

Ordering Information

IP409 Flex ATX COM Express(Type 6) baseboard

ET950 with Heat spreader



ET950 with Heatsink



ET950 Stacked on the IP409



ET950 Stacked on the IP409

