



## Features

- Onboard 2nd/3rd Gen Intel® Core™ i3/ Celeron® DC / SC processors
- 2x DDR3 SO-DIMM, Max. 16GB
- Single Gigabit LAN via carrier board(IP402)
- 2x SATA II, 2x SATA III, 2x USB 3.0, 6x USB 2.0, 4x COM via carrier board (IP402)
- Supports 3x independent displays, DisplayPort/ DVI-I/ LVDS via carrier board (IP402)
- Supports HD audio via carrier board (IP402)

## Specifications

CPU Type	2nd/3rd Gen Intel® Core™ i3/ Celeron® DC/SC processors on board
System Memory	2x DDR3 SO-DIMM, Max. 16GB (Non-ECC)
System Chipset	Intel® HM76 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), 1x PCI-E(x1) on carrier board (IP402)
VGA Controller	2nd/3rd Gen Intel® Core™ i3/Celeron® integrated graphics supports CRT, DVI, DisplayPort, LVDS
VGA Memory	Max. Shared memory – 1024MB
Display Interface	24-bit single-channel LVDS on carrier board (IP402)
LAN Controller	1x Intel® 82579V Gigabit LAN PHY
LAN Connector	1x RJ45 on carrier board (IP402)
I/O Chipset	All on carrier board (IP402) 1x LPT, 1x KB, 1x mouse, 4x RS232
USB	2x USB 3.0 via carrier board (IP402) 6x USB 2.0 via carrier board (IP402)
Serial ATA	2x SATA II, 2x SATA III via carrier board (IP402)
Audio	Intel® HM76 PCH built-in audio w/ Realtek ALC662 codec on carrier board (IP402)
Others	Digital I/O (4-in / 4-out) on carrier board (IP402)
Dimensions	95mm x 125mm (3.74" x 4.49")
Max. Power Requirement	Intel® Core™ i3-3120ME 2.40 GHz w/ 4GB DDR3-1333 +3.3V: 0.21A +5V: 0.30A +12V: 1.73A
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

ET930-16	COM Express( Type 6) CPU Module w/ Intel® Core™ i3-3217UE(1.6GHz), HM76 PCH, DDR3 dual-channel memory
ET930-13	COM Express( Type 6) CPU Module w/ Intel® Core™ i3-2340UE(1.3GHz), HM76 PCH, DDR3 dual-channel memory
ET930-1G	COM Express( Type 6) CPU Module w/ Intel® Celeron® 807UE(1.0GHz), HM76 PCH, DDR3 dual-channel memory
IP402	Flex ATX carrier board for COM Express (Type 6) module
HSET930-BGA-1	Cooler for ET930
HSET930-BGA-2	Heat spreader for ET930

## Dimensions and Drawing

