

System

CPU type	2nd/3rd Generation 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 baseboard (IP402)

Graphics

VGA Controller	2nd/3rd Generation 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 baseboard (IP402)

LAN

Controller	1x Intel® 82579V Gigabit LAN PHY
Connector	1x RJ45 on baseboard (IP402)

Multi I/O

I/O Chipset	All on baseboard (IP402) 1x LPT, 1x KB, 1x Mouse, 2x SATA II, 2x SATA III, 4x RS232
USB	2x USB 3.0 ports via baseboard (IP402) 6x USB 2.0 ports via baseboard (IP402)
Audio	Intel® HM76 PCH built-in audio w/ Realtek ALC662 codec on baseboard (IP402)
Others	Digital I/O (4 in / 4 out) on baseboard (IP402)

Features

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

Mechanical and Environmental

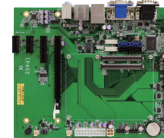
Dimensions	95mm x 125mm (3.74" x 4.49")
Max. Power Requirement	Intel® Core™ i3-3120ME 2.40 GHz w/ 4GB DDR3-1333 +3.3V: 0.21A +5V: 0.30A +12V: 1.73A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	90% (non-condensing @60°C)

Ordering Information

ET930-16	COM Express(Type 6) module w/ Intel® Core™ i3-3217UE(1.6GHz), HM76 PCH, DDR3 dual channel memory
ET930-13	COM Express(Type 6) module w/ Intel® Core™ i3-2340UE(1.3GHz), HM76 PCH, DDR3 dual channel memory
ET930-1G	COM Express(Type 6) module w/ Intel® Celeron® 807UE(1.0GHz), HM76 PCH, DDR3 dual channel memory
IP402	Flex ATX baseboard for COM Express(Type 6) module
HSET930-BGA-1	Cooler for ET950
HSET930-BGA-2	Heat spreader for ET950

IP402

Flex ATX COM Express Baseboard



Features

- Fintek F81865F-I Super I/O
- Watchdog timer, 4-in / 4-out digital I/O
- 1x PCI-E(x16), 1x PCI-E(x4), 1x PCI-E(x1) expansion slots
- Edge connectors for COM1/2, VGA, DVI, DisplayPort, dual RJ45, 2x USB (3.0), 2x USB (2.0), audio connector (Line-out, Line-in & Mic.)
- Board connectors for 2x COM, 1x KB/MS, 2x SATA III, 2x SATAII, 2x LVDS, 8x USB (2.0), 1x LPT, COM Express (Type 6) connector
- ATX power connector
- 190 x 228mm