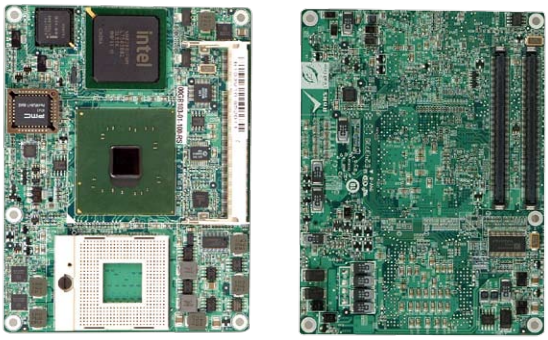
ICE-9152 / 9102

NEW

COM Express Basic Type 2 Module, Socket 479 Intel® Pentium® M / Celeron® M CPU, VGA/LVDS, LAN, CF, SATA, USB 2.0 and Audio



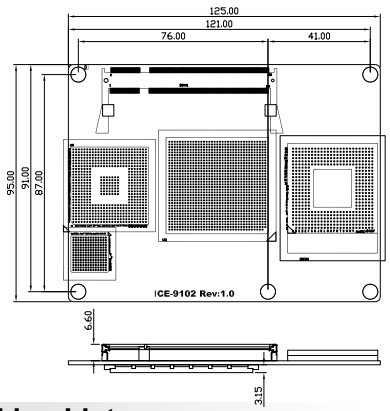
Features

1. COM Express Type 2 Basic Module
2. Support 1x PCIe x16, 4 x PCIe x1, 4 x PCI slots for expansion
3. Suppport dual display for VGA + LVDS
4. Support 6 x USB 2.0, 2 x SATA, I 1x DE

Specifications

- CPU
  Socket 479 Intel® Pentium® M, Celeron® M processor with a 533/400 MHz FSB on board
  Intel® Celeron® M 1GHz zero cache or 1 GHz 512KB cache processor
- System Chipset
  Intel® 915GME + ICH6M (ICE-9152)
  Intel® 910GMLE + ICH6-M (ICE-9102)
- BIOS
  AMI Flash BIOS
- System Memory
  One 200-pin 533/400MHz DDR2 SO-DIMM support up to 2GB (ICE-9152)
  One 200-pin 400MHz DDR2 SO-DIMM support up to 2GB (ICE-9102)
- Ethernet
  One Intel® 82541PI GbE Chipset
- I/O Interface
  8 x USB 2.0 (to Base Board)
  2 x SATA (to Base Board)
  1 x IDE channel (to Base Board)
- Expansions
  1 x PCIe x16 signal to Base Board (ICE-9152)
  4 x PCIe x1 signal to Base Board
  4 x PCI , 32 bit / 33 MHz PCI bus to Base Board
- Display Interface
  VGA Integrated in Intel® 915GME/910GMLE
  Signal (to Base Board)
  18/24-bit Dual channel LVDS Signal (to Base Board)
- Watchdog Timer
  Software programmable supports 1 ~255 sec. System reset
  (Depend on Super I/O of Base Board)
- Power Supply
  ATX / AT supported
- Power Consumption
  12V@1.33A (Intel® Celeron® M 373 1G/512 L2 cache, DDR2 1GB/ 533Mhz)
- Temperature:
  Operation: 0°C ~ 60°C (32°F ~ 140°F)
- Humidity: Operation: 5% ~95 non-condensing
- Dimensions: 125 mm x 95 mm

Dimensions (mm)



Packing List

1 x ICE-915/9102 Single board computer	
1 x Heatspreader	
1 x Heatsink (ICE-9102)	
1 x Cooler (ICE-9152)	
1 x Utility CD	1 x QIG

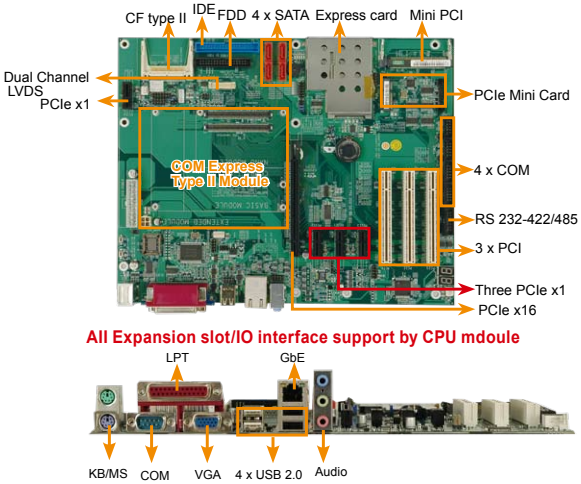
Ordering Information

Part No.	Description
ICE-9152-R10	COM Express Socket 479 Intel® Pentium® M / Celeron® M CPU with VGA/LVDS, GbE, USB 2.0, SATA and Audio
ICE-9102-1GZ-R10	COM Express ULV Intel® Celeron® 1GHz zero cache CPU with VGA/LVDS, GbE, USB 2.0, SATA and Audio
ICE-9102-1G512-R10	COM Express ULV Intel® Celeron® 1GHz 512K cache CPU with VGA/LVDS, GbE, USB 2.0, SATA and Audio
ICE-DB-9S-R10	Base Board for COM Express Type 2 modules

ICE-DB-9S

NEW

Base Board for COM Express Type 2 Module



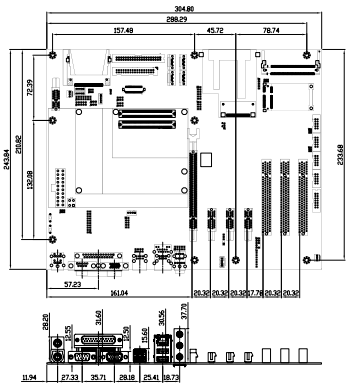
Features

1. ATX Form factor Base board for COM Express type 2 Module
2. Support 1x PCIe x16/4x PCIe x1, 3 x PCI for expansions
3. Second I/O support up to 6 x COM Ports
4. COM2 /COM3 with 5V/12V power by jumper selection

Specifications

- CPU Module Interface
  Supports COM Express Compact / Basic module using connector pin out Type 2
- Display Interface
  VGA DB15 connector
  18/24-bit dual channel LVDS
  TV-out interface
- Expansions
  1 x PCIe x16 4 x PCIe x1
  3 x PCI , 32 bit / 33 MHz PCI bus
  1 x PCIe Mini card 1 x Express Card
  1 x Mini PCI
- I/O Interface
  4 x SATA/SATA II 1 x IDE
  1 x CF type II
  5 x RS-232 (COM2/COM3 with 5V/12V power)
  1 x RS-232/422/485 2 x PS2 KB/MS
  6 x USB 2.0 1 x LPT
  1 x FDD
- Audio
  Realtek ALC888 for 7.1 channels HD audio
  1 x Mic-in, Lin-in, Lin-out connector
  1 x Front Audio
- Ethernet Connector
  1 x RJ-45 connector for GbE
- Super I/O
  First Super I/O: Winbond W83627EHG
  Sencond Super I/O: Fintek F81216
- Digital I/O
  8-bit digital I/O, 4-bit input/4-bit output by Winbond W83627EHG
  8-bit digital I/O, 4-bit input/4-bit output by Fintek F81216
- Infrared Interface
  1 x Infrared interface by pin header
- Power Supply
  ATX / AT support
- Fan
  3 x Fan Connector, Support smart fan for CPU Fan (FAN1)
- Temperature
  Operation: 0°C ~ 60°C (32°F ~ 140°F)
- Humidity
  Operation: 5% ~95 non-condensing
- Dimensions
  304.8 mm x 243.8 mm (12" x 9.6")

Dimensions (mm)



Packing List

1 x COM Express Base Board	2 x SATA Cable (P/N: 32000-062800-RS)
1 x Dual Ports RS-232 Cable (P/N: 19800-000051-RS)	1 x Mini Jumper Pack
1 x Utility CD	1 x QIG

Ordering Information

Part No.	Description	Part No.	Description
ICE-DB-9S-R10	Base board for COM Express Type II Modules	32200-000052-RS	40-pin 3.5" IDE cable
19800-000082-RS	RS-232/422/485 cable	32200-000017-RS	FDD cable
32100-088600-RS	SATA Power cable	19800-000049-RS	LPT cable