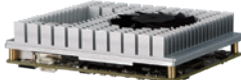
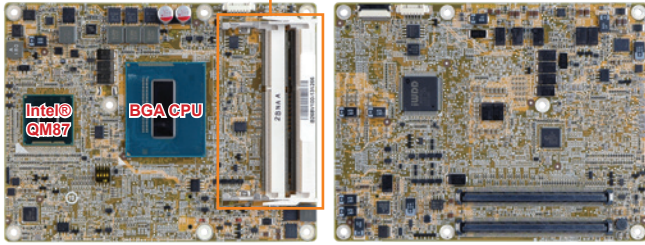


TYPE 6

ICE-QM871

COM Express Basic Type 6 Module Supports Intel® 22nm 4th Generation Mobile Core™ i7/i5/i3 or Celeron® Processor, VGA, LVDS, DDI, GbE, PCIe Gen3, SATA 6Gb/s, USB 3.0 and HD Audio, RoHS

Dual-channel DDR3 1333/1066 MHz



Features

- 4th generation Intel® mobile Core™ i7/i5/i3 or Celeron® on-board processor
- Intel® HD Graphics technology integrates high-performance graphics and media processing
- Dual-channel 1600/1333 MHz DDR3 support up to 16 GB
- Support 1.5V/1.35V DDR3 SO-DIMM
- 18/24-bit dual-channel LVDS, analog CRT and three DDI supported
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery
- Support AMT 9.0

Specifications

- ◆ CPU
 - Intel® mobile Core™ i7-4700EQ on-board processor with Intel® AMT 9.0 support (2.4GHz, quad-core, 6MB cache, TDP=47W)
 - Intel® mobile Core™ i5-4402E on-board processor with Intel® AMT 9.0 support (1.6GHz, dual-core, 3MB cache, TDP=25W)
 - Intel® mobile Core™ i3-4102E on-board processor (1.6GHz, dual-core, 3MB cache, TDP=25W)
 - Intel® mobile Celeron® 2002E on-board processor (1.5GHz, dual-core, 2MB cache, TDP=25W)
 - Intel® mobile Core™ i5-4400E on-board processor with Intel® AMT 9.0 support (2.7GHz, dual-core, 3MB cache, TDP=37W) (by request)
 - Intel® mobile Core™ i3-4100E on-board processor (2.4GHz, dual-core, 3MB cache, TDP=37W) (by request)
 - Intel® mobile Celeron® 2000E on-board processor (2.2GHz, dual-core, 2MB cache, TDP=37W) (by request)
- ◆ System Chipset: Intel® QM87
- ◆ BIOS: UEFI BIOS
- ◆ Memory: Two 204-pin 1600/1333 MHz dual-channel DDR3 & DDR3L SDRAM unbuffered DIMMs support up to 16 GB
- ◆ Graphics Engine
 - Intel® HD Graphics Gen 7.5 supports DX11.1 and OpenCL 1.2, OpenGL 3.2 Full MPEG2, VC1, AVC Decode
- ◆ Display Output
 - 3 x DDI: DisplayPort/HDMI/DVI (up to 2560x1600@60 Hz)
 - 1 x VGA (up to 1920x1200@60 Hz)
 - 1 x Dual-channel 18/24-bit LVDS (up to 1920x1200@60 Hz)
- ◆ Ethernet
 - LAN: Intel® I217LM Clarkville-V with Intel® AMT 9.0 support
- ◆ I/O Interface
 - 2 x RS-232 (to baseboard)
 - 4 x SATA 6Gb/s signal (to baseboard)
 - 4 x USB 3.0 (to baseboard)
 - 8 x USB 2.0 (to baseboard)
- ◆ Audio: High Definition Audio interface
- ◆ SMBus: Yes (to baseboard)
- ◆ IPC: Yes (to baseboard)
- ◆ LPC: Yes (to baseboard)
- ◆ Expansion
 - 1 x PCIe x16 signal (to baseboard)
 - 7 x PCIe x1 signal (to baseboard)
- ◆ Watchdog Timer
 - Software programmable, support 1~255 sec. system reset
- ◆ GPIO: 8-bit GPIO
- ◆ Power Consumption
 - +12V1@1.86A, +12V2@3.70A (Intel® Core™ i7-4700EQ 2.4GHz CPU with 8 GB (two 4 GB) 1333 MHz DDR3 memory)
 - ◆ Operating Temperature: -20°C ~ 60°C
 - ◆ Storage Temperature: -30°C ~ 70°C
 - ◆ Operating Humidity: 5% ~ 95%, non-condensing
 - ◆ Dimensions: 125mm x 95mm
 - ◆ Weight: GW: 600g / NW: 250g
 - ◆ CE/FCC compliant

Packing List

1 x ICE-QM871 single board computer	1 x Driver CD
1 x Heatspreader	1 x Utility CD
1 x Cooler	1 x QIG

Ordering Information

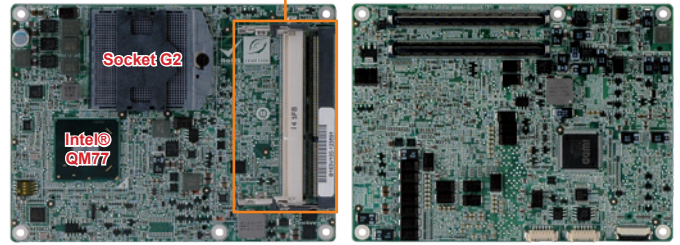
Part No.	Description
ICE-QM871-i7-R10	COM Express Basic Type 6 module supports Intel® 22nm 4th Generation Mobile Core™ i7-4700EQ processor (47W), VGA, LVDS, DDI, GbE, PCIe Gen3, AMT 9.0, SATA 6Gb/s, USB 3.0 and HD Audio, RoHS
ICE-QM871-i5E-R10	COM Express Basic Type 6 module supports Intel® 22nm 4th Generation Mobile Core™ i5-4402E processor (25W), VGA, LVDS, DDI, GbE, PCIe Gen3, AMT 9.0, SATA 6Gb/s, USB 3.0 and HD Audio, RoHS
ICE-QM871-i3E-R10	COM Express Basic Type 6 module supports Intel® 22nm 4th Generation Mobile Core™ i3-4102E processor (25W), VGA, LVDS, DDI, GbE, PCIe Gen3, SATA 6Gb/s, USB 3.0 and HD Audio, RoHS
ICE-QM871-CE-R10	COM Express Basic Type 6 module supports Intel® 22nm 4th Generation Celeron® Mobile 2002E processor (25W), VGA, LVDS, DDI, GbE, PCIe Gen3, SATA 6Gb/s, USB 3.0 and HD Audio, RoHS
ICE-DB-T6R-R11	Base Board for COM Express Type 6 Module COM.0 Rev. 2.1, support PICMG EAPI R1.0

TYPE 6

ICE-QM770

COM Express Basic Type 6 Module with Socket G2 Supports Intel® 2nd & 3rd Generation Core™ i7/i5/i3 Celeron® Processor, VGA/LVDS, DDI, GbE, SATA 6Gb/s, USB 3.0, Audio and RoHS

Dual-channel DDR3 1333/1066 MHz



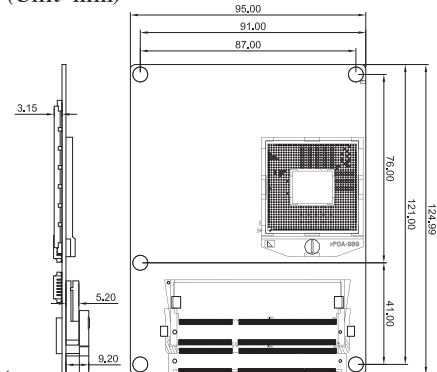
Features

- Intel® Core™ i7/i5/i3/Celeron® processors supported
- Intel® HD Graphics technology integrates high-performance graphics and media processing
- 1600/1333/1066 MHz dual-channel DDR3 memory supports up to 16 GB
- Supports 1.35V DDR3L
- 18/24-bit dual-channel LVDS, analog CRT and three DDI supported
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ Form Factor
 - PICMG COM Express R2.0 Basic Type 6
- ◆ CPU: Socket G2 for 2nd & 3rd generation Intel® Core™ i7/i5/i3/Pentium®/Celeron® processor
- ◆ PCH: Intel® QM77
- ◆ Memory
 - Two 204-pin 1600/1333MHz dual-channel unbuffered DDR3 SDRAM SO-DIMMs support up to 16GB
 - Supports 1.35V DDR3L
- ◆ BIOS: UEFI BIOS
- ◆ Graphics Engine
 - Intel® HD Graphics 2000/3000
 - Supports DX11, OCL 1.1 and OpenGL 3.0
 - Full MPEG2, VC1, AVC Decode
- ◆ Display Output
 - 3 x DDI (up to 2560x1600@60Hz)
 - 1 x VGA up to QXGA (up to 2048x1536@75Hz)
 - 1 x 18/24-bit dual-channel LVDS up to UXGA (up to 1920x1200@60Hz)
- ◆ Ethernet: Intel® 82579LM
- ◆ Embedded Controller: iWDD
- ◆ Audio: High Definition Audio
- ◆ SMBus: Yes (to baseboard)
- ◆ IPC: Yes (to baseboard)
- ◆ LPC: Yes (to baseboard)
- ◆ I/O Interface
 - 2 x RS-232 (to baseboard) (3.3V)
 - 2 x SATA 3Gb/s (signal to baseboard)
 - 2 x SATA 6Gb/s (signal to baseboard)
 - 4 x USB 3.0 (to baseboard)
 - 8 x USB 2.0 (to baseboard)
- ◆ Expansion
 - 1 x PCIe x16 signal (to baseboard)
 - 7 x PCIe x1 signal (to baseboard)
- ◆ Watchdog Timer: Software programmable supports 1~255 sec. system reset
- ◆ GPIO: 8-bit GPIO (to baseboard)
- ◆ TPM: Through the baseboard
- ◆ Intel® AMT: Supports Intel® AMT 8.0
- ◆ Power Consumption
 - +12V@1.75A, Vcore _12V@3.33A (Intel® 1.8GHz CPU with 4 GB 1333 MHz DDR3 memory)
 - ◆ Operating Temperature: -10°C ~ 60°C
 - ◆ Storage Temperature: -20°C ~ 70°C
 - ◆ Operating Humidity: 5% ~ 95%, non-condensing
 - ◆ Dimensions: 338 mm x 126 mm
 - ◆ Weight: GW: 700g / NW: 250g
 - ◆ CE/FCC compliant

Dimensions (Unit: mm)



Packing List

1 x ICE-QM770-R10 single board computer	1 x Driver CD
1 x Heatspreader for Socket G2 CPU (22nm)	1 x Utility CD
1 x Cooler	1 x QIG

Ordering Information

Part No.	Description
ICE-QM770-R10	COM Express Basic Type 6 Module with Socket G2 Supports Intel® 2nd & 3rd Generation Core™ i7/i5/i3 Celeron® Processor, VGA/LVDS, DDI, GbE, SATA 6Gb/s, USB 3.0, Audio and RoHS
ICE-DB-T6-R10	Baseboard for COM Express Type 6 modules