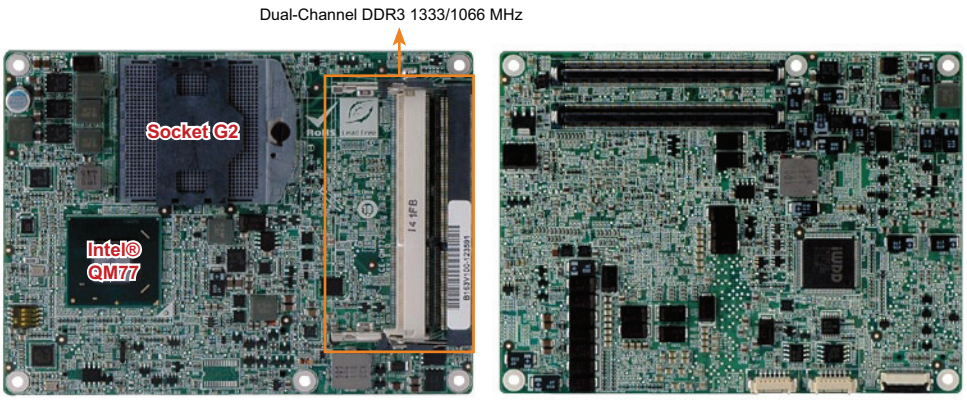
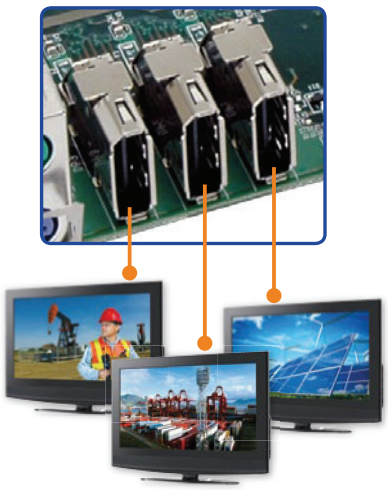
ICE-QM770

COM Express Basic Type 6 Modules, Intel® 22nm Core™ i7/i5/i3/Pentium®/ Celeron® Processor, VGA/LVDS, GbE, SATA 6Gb/s, USB 3.0, Audio and RoHS



Three DDI (Digital Display Interface) by carrier board



3rd generation Intel® Core™ processors supported

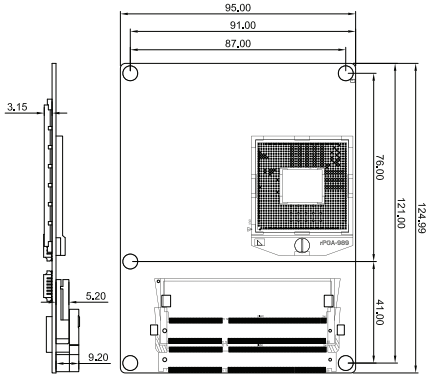
Specifications

- Form Factor
  PICMG COM Express R2.0 Basic Type 6
- CPU
  Socket G2 for Intel® Core™ i7/i5/i3/Pentium®/Celeron® processor
- PCH
  Intel® QM77
- Memory
  Two 204-pin 1600/1333/1066 MHz dual-channel DDR3 SDRAM unbuffered DIMMs supported (system max. 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
  VGA integrated in the Intel® QM77 (signal to baseboard)
  3 x DDI (up to 2560 x 1600 @60Hz)
  1 x VGA up to QXGA (up to 2048 x 1536 @75Hz)
  1 x 18/24-bit dual-channel LVDS up to UXGA (up to 1920 x 1200 @60Hz)
- Ethernet
  Intel® 82579LM
- Embedded Controller
  iWDD
- I/O Interface
  2 x RS-232 (to baseboard) (3.3V)
  4 x USB 3.0 (to baseboard)
  2 x SATA 6Gb/s (signal to baseboard)
  8 x USB 2.0 (to baseboard)
  2 x SATA 3GB/s (signal to baseboard)
- Audio
  High definition audio interface
- SMBus
  Yes (to baseboard)
- I2C
  YYes (to baseboard)
- LPC
  Yes (to baseboard)
- Expansions
  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
- Operating Temperature
  -10°C ~ 60°C
- Operating Humidity
  5% ~ 95%, non-condensing
- Dimensions
  338 mm x 126 mm
- Weight
  GW: 700g/NW: 250g

Features

1. Intel® Core™ i7/i5/i3/Pentium®/Celeron® processors supported
2. Intel® HD Graphics technology integrates high-performance graphics and media processing
3. 1600/1333/1066MHz dual-channel DDR3 memory supports up to 16GB
4. Supports 1.35V DDR3L
5. 18/24-bit dual-channel LVDS, analog CRT and HDTV supported
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Dimensions (Unit: mm)



Packing List

1 x ICE-QM770-R10 single board computer	
1 x Heatspreader for Ivy Bridge socket type CPU (22nm)	
1 x Cooler	1 x Utility CD
1 x One Key Recovery CD	1 x QIG (Quick Installation Guide)

Ordering Information

Part No.	Description
ICE-QM770-R10	COM Express Basic Type 6 module, Intel® 22nm Core™ i7/i5/i3 processor, VGA/LVDS, GbE, SATA 6Gb/s, USB 3.0, Audio and RoHS
ICE-DB-T6-R10	Baseboard for COM Express Type 6 modules