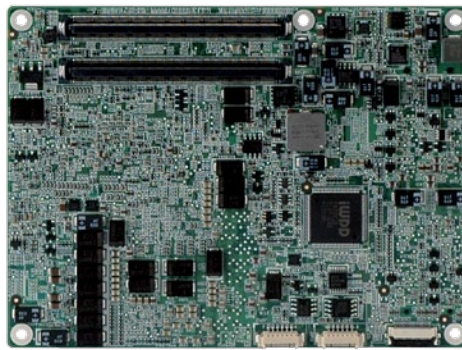
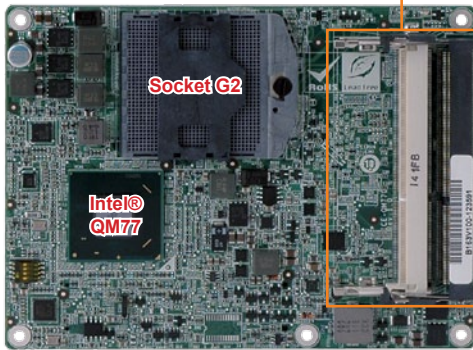


ICE-QM770

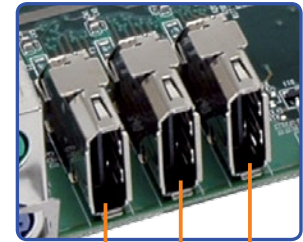
COM Express Basic Type 6 module with socket G2 supports Intel® 2nd & 3rd generation Core™ i7/i5/i3 Celeron® processor, VGA/LVDS, DDI, GbE, SATA 6Gb/s, USB 3.0, Audio and RoHS



Dual-Channel DDR3 1333/1066 MHz



Three DDI (Digital Display Interface) by carrier board



Specifications

- ◆ Form Factor
PICMG COM Express R2.0 Basic Type 6
- ◆ CPU
Socket G2 for Intel® 2nd & 3rd generation 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) 8 x USB 2.0 (to baseboard)
4 x USB 3.0 (to baseboard) 2 x SATA 3GB/s (signal to baseboard)
2 x SATA 6Gb/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



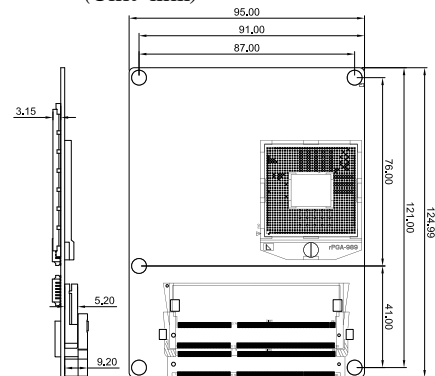
2nd & 3rd generation Intel® Core™ processors supported



Features

1. Intel® Core™ i7/i5/i3/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 3 x DDI 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 Driver CD | 1 x QIG (Quick Installation Guide) |

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 |

1 Industrial Computing Solutions

2 Video Capture Solutions

3 Embedded Computing Solutions

4 ORing Network Communication

5 Power Supply/Peripherals

6 Panel Solutions Introduction