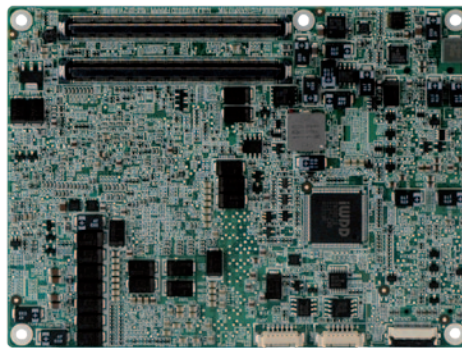
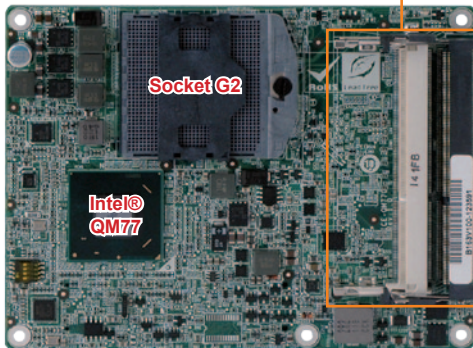




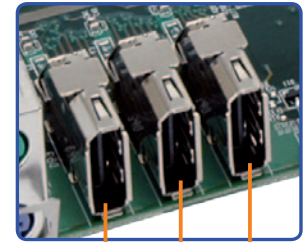
ICE-QM770

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 2nd & 3rd generation 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 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
- ◆ SMBus
Yes (to baseboard)
- ◆ I2C
Yes (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
- ◆ Storage Temperature
-20°C ~ 70°C
- ◆ Operating Humidity
5% ~ 95%, non-condensing
- ◆ Dimensions
338 mm x 126 mm
- ◆ Weight
GW: 700g/NW: 250g



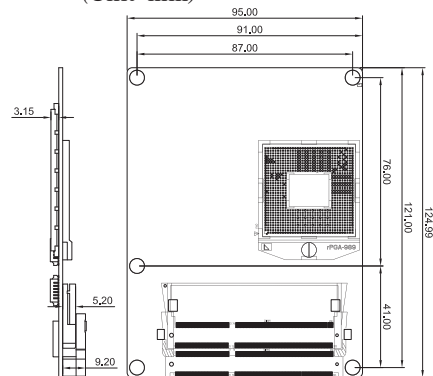
2nd & 3rd generation Intel® Core™ processors supported



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 Socket G2 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