

KINO-QM770

Mini-ITX SBC with Socket G2 for Intel® 22nm mobile CPU



Features

- » Mini-ITX SBC with Socket G2 for Intel® 22nm mobile Ivy Bridge processor
- » Dual-channel 1066/1333/1600 MHz DDR3 SDRAM supports up to 16 GB
- » HDMI™ 1.3 compliant, three independent displays supported
- » 3D micro-architecture enhancement supports DX11, OCL 1.1 and OGL 3.1
- » Rich media acceleration for hardware decoding and encoding acceleration
- » Intel® GbE LAN with Intel® AMT 8.0 supported
- » High speed I/O interface for PCIe Gen 3.0 add-on card, USB 3.0 and SATA 6Gb/s supported
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

| | |
|--------------------------|--|
| System | |
| CPU | Socket G2 for 3rd generation Intel® 22nm mobile processor |
| Chipset | Intel® QM77 |
| Memory | Two 240-pin 1600/1333 MHz dualchannel DDR3 SDRAM unbuffered DIMMs |
| Memory Max. | 16GB |
| Physical Characteristics | |
| Dimensions (LxWxH) (mm) | 170 X 170 |
| Net Weight | 450g |
| Storage | |
| Storage | 2 x SATA :3Gb/s |
| I/O Interface | |
| Display Output | 1 x DVI-I :up to 1920x1200@60Hz 2 x HDMI™ :up to 1920x1200@60Hz 1 x LVDS :18/24-bit dual-channel (up to 1920x1200@60Hz) |
| Ethernet | 2 x LAN :LAN1:Intel® 82579 PHY with Intel® AMT 8.0 support LAN2:Intel® 82583V PCIe controller |
| Audio | Description: Realtek ALC892 HD codec 1 x Line out :on rear IO 1 x Mic :on rear IO 1 x Front Audio :2x5 pin |
| I/O Interface | 1 x External RS-232 1 x Internal RS-232 :2x5 pin, p=2.0 1 x Internal RS-422/485 :1x4 pin, p=2.0 4 x External USB 3.2 Gen1x1 4 x Internal USB 2.0 :2x4 pin, p=2.54 1 x PS/2 :1x6 pin |
| Expansion | 1 x PCIe x16 1 x PCIe mini Card Slot |
| Other Features | |

| | |
|-----------------------|---|
| TPM | 2x10 pin |
| Power | |
| Power Consumption | 12V@6.08A (2.3GHz Intel® Core™ i7-3610QE with two 1333 MHz 4 GB DDR3 memory running 3DMark06 burn in) |
| Power Supply | 12V DC input |
| | 1 x Internal power connector (2x2 pin) |
| | 1 x External DC jack (4-pin DIN) |
| | Support AT/ATX mode |
| Environment | |
| Operating Temperature | -10°C ~ 60°C |
| Storage Temperature | -20°C ~ 70°C |
| Humidity | 5% ~ 95%, non-condensing |
| Certifications | |
| Safety & EMC | CE/FCC compliant |

Ordering Information

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|----------------|--|
| KINO-QM770-R10 | Mini-ITX SBC with Socket G2 for Intel 22nm mobile CPU,DVI-I/Dual HDMI™/LVDS,Dual PCIe GbE,USB3.0,PCIe mini,SATAIII and Audio |
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Packing List

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|--------------------------------------|----------------------------------|
| 1 x KINO-QM770 single board computer | 2 x SATA with power output cable |
| 1 x I/O shielding | 1 x Mini jumper pack |
| 1 x RS-232 cable with bracket | 1 x QIG |