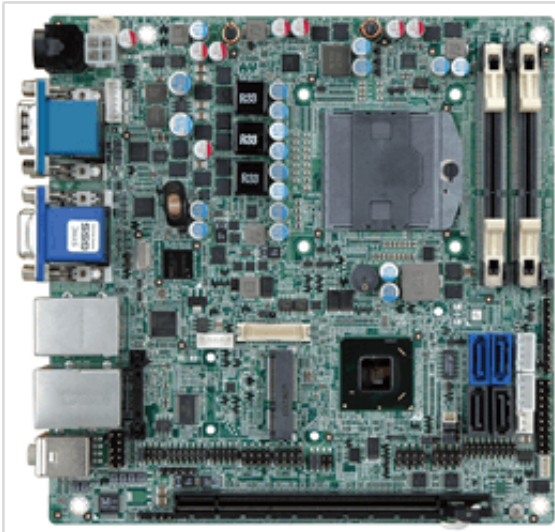


KINO-QM670

Mini-ITX SBC with Socket G2 for Intel® mobile Core™ i7/i5/i3 CPU



Features

- » Mini-ITX SBC with Socket G2 for Intel® Core™ i7/i5/i3 processor
- » Dual-channel 1333/1066MHz DDR3 SDRAM (system max. 8 GB)
- » HDMI™ 1.3 compliant
- » 3D micro-architecture enhancement supports DX*10.1 and OGL*3.0
- » Rich media acceleration for hardware decoding and encoding acceleration
- » Intel® GbE LAN with Intel® AMT 7.0 supported
- » High speed I/O interface for PCIe Gen2 add-on card, USB 3.0 and SATA 6Gb/s

Specifications

| | |
|-----------------------|--|
| CPU Cooler | |
| CPU Cooler | CF-989A-RS-R12 |
| Display | |
| Display | Dual display supported |
| | 1 x VGA |
| | 2 x HDMI™ |
| | 1 x 18/24-bit dual-channel LVDS |
| Environment | |
| Humidity | 5% ~ 95%, non-condensing |
| Operating Temperature | -10°C ~ 60°C |
| Expansion Slots | |
| Expansion Slots | 1 x PCI x16 |
| | 1 x PCIe Mini card slot |
| FSB | |
| FSB | NA |
| I/O Interface | |
| Audio | Realtek ALC892 HD Audio codec |
| Digital I/O | 8-bit digital I/O (4 input/4 output) |
| Ethernet | LAN1: Intel® 82583V PCIe controller |
| | LAN2: Intel® 82579 PHY with Intel® AMT 7.0 supported |
| I/O Interface | 2 x RS-232 |
| | 1 x RS-422/485 |
| | 6 x USB 2.0 |
| | 2 x USB 3.0 |
| | 1 x 6-pin header for KB/MS |
| | 1 x TPM connector (2x10 pin) |
| I/O Interface | |
| I/O Interface | 2 x USB 3.0 |
| | 2 x RS-232 |
| | 1 x RS-422/485 |

| | |
|-----------------------|--|
| | 6 x USB 2.0 |
| Power | |
| Power consumption | 12V@6.5A |
| | (2.2GHz Intel® Core i7 |
| | with two 1333MHz 4GB DDR3 |
| | DIMM) |
| System | |
| Chipset | Intel® QM67 |
| CPU | Intel® Core™ i7/i5/i3 Mobile |
| | processor |
| CPU Socket | Socket G2 |
| Memory Max. | 2 x 204-pin 1333/1066 MHz 4GB |
| | DDR3 SO-DIMM (system max. |
| | 8GB) |
| Storage | 2 x SATA 3Gb/s |
| | 2 x SATA 6Gb/s |
| Watchdog Timer | |
| Watchdog Timer | Software programmable and supports 1~255 sec. system reset |

Ordering Information

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|----------------|--|
| KINO-QM670-R20 | Mini-ITX SBC with Socket G2 for Intel mobile Core i7/i5/i3 CPU,VGA/Dual HDMI™/LVDS,Dual PCIe GbE,USB 3.0,PCIe Mini,SATA 6Gb/s and Audio,RoHS |
|----------------|--|

Packing List

| | |
|--------------------------------------|----------------------------------|
| 1 x KINO-QM670 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 | 1 x QIG |