

# 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
<b>Power</b>	
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
<b>Environment</b>	
Operating Temperature	-10°C ~ 60°C
Storage Temperature	-20°C ~ 70°C
Humidity	5% ~ 95%, non-condensing
<b>Certifications</b>	
Safety & EMC	CE/FCC compliant

## Ordering Information

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

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