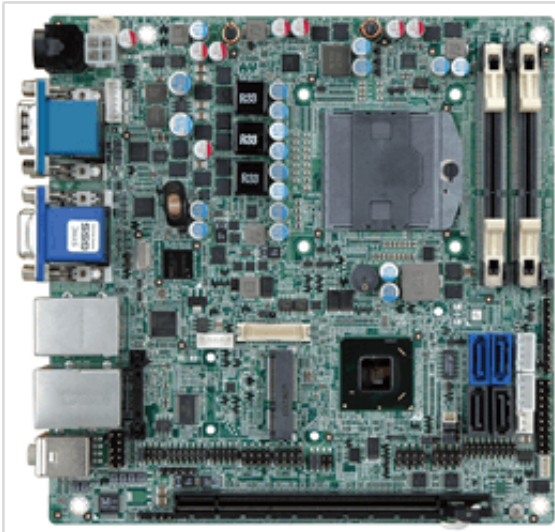


# KINO-QM670

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 1333/1066HMz 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

<b>CPU Cooler</b>	
CPU Cooler	CF-989A-RS-R12
<b>Display</b>	
Display	Dual display supported
	1 x VGA
	2 x HDMI™
	1 x 18/24-bit dual-channel LVDS
<b>Environment</b>	
Humidity	5% ~ 95%, non-condensing
Operating Temperature	-10°C ~ 60°C
<b>Expansion Slots</b>	
Expansion Slots	1 x PCI x16
	1 x PCIe Mini card slot
<b>FSB</b>	
FSB	NA
<b>I/O Interface</b>	
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)
<b>I/O Interface</b>	
I/O Interface	2 x USB 3.0
	2 x RS-232
	1 x RS-422/485

	6 x USB 2.0
<b>Power</b>	
Power consumption	12V@6.5A
	(2.2GHz Intel® Core i7
	with two 1333MHz 4GB DDR3
	DIMM)
<b>System</b>	
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
<b>Watchdog Timer</b>	
Watchdog Timer	Software programmable and supports 1~255 sec. system reset

## Ordering Information

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
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## 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