

# KINO-AQ870

Mini-ITX SBC with LGA1150 socket supports 4th Gen Intel® Core™ i7/i5/i3 processor



## Features

- » LGA1150 socket supports 4th Gen Intel® Core™ i7/i5/i3 processor
- » DDR3 1066/1333/1600 MHz dual-channel SDRAM
- » 3D micro-architecture enhancements for DX11.1, OCL 1.2 and OGL3.2
- » Rich media acceleration for hardware decode and encode acceleration
- » Intel® GbE LAN with Intel® AMT 9.0 support
- » High speed I/O interface for USB 3.0, SATA 6Gb/s and mSATA
- » IEI jumper-less function

## Specifications

CPU Cooler	
CPU Cooler	CF-1150SA-R10
	CF-1150SB-R11
	CF-1150SC-R20
	CF-1150SE-R10
Display	
Display	DVI-D integrated in the CPU
	VGA integrated in Intel® Q87
	DisplayPort integrated in the CPU (pin header for changing to HDMI™, LVDS, VGA)
Environment	
Humidity	5% ~ 95%, non-condensing
Operating Temperature	-20°C ~ 60°C
Expansion Slots	
Expansion Slots	1 x PCIe x4
	1 x PCIe Mini card slot (supports mSATA, SATA 3Gb/s signal only)
I/O Interface	
Audio	Realtek ALC662 HD Audio codec (line-out, mic-in)
Digital I/O	8-bit digital I/O (2x5 pin)
Ethernet	LAN1: Intel® I211 PCIe controller
	LAN2: Intel® I217LM with Intel® AMT 9.0 support
I/O Interface	
I/O Interface	3 x Internal RS-232
	2 x USB 3.0
	2 x USB 2.0
	2 x RS-232
	1 x Internal RS-422/485
	4 x Internal USB 2.0
	2 x Internal USB 3.0
Power	
Power consumption	3.3V@1.11A, 5V@3.01A, 12V@0.12A, Vcore@6.32A, 5VSB@0.15A
	(Intel® 2.60GHz CPU with two 1600 MHz 2 GB DDR3 memory)
System	

Chipset	Intel® Q87
CPU	Intel® Core™ i7/i5/i3 processor
CPU Socket	LGA1150
Memory Max.	Two 240-pin 1066/1333/1600 MHz dual-channel DDR3 SDRAM unbuffered DIMM supported (system max. 16 GB)
Storage	4 x SATA 6Gb/s (RAID 0/1/5/10)
Watchdog Timer	
Watchdog Timer	Software programmable supports 1~255 sec. system reset

## Ordering Information

KINO-AQ870-R10	Mini-ITX SBC with Intel Haswell CPU,DVI-D /VGA / DP,Dual Intel PCIe GbE,USB 3.0,SATA 6Gb/s,HD Audio and RoHS
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## Packing List

1 x KINO-AQ870 motherboard	1 x I/O shielding
1 x Mini jumper pack	4 x SATA cable
1 x QIG	