

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

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|-----------------------|---|
| 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 | |

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|----------------|--|
| 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

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| 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

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