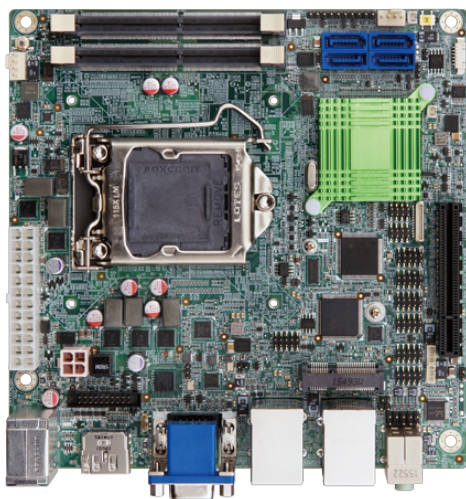


KINO-AQ170

Mini-ITX SBC supports LGA 1151 Intel® Core™ i7/i5/i3, Pentium® or Celeron® CPU with Intel® Q170



Features

- » Mini ITX form factor with LGA 1151 Intel® 6th/7th generation Core™ i7/i5/i3, Pentium® or Celeron® processor and DDR4 2133MHz memory support
- » Support HDMI™ 2.0 (4096x2160@60Hz)
- » Dual Intel® GbE support Intel® AMT 11.0
- » Triple display via HDMI™ 2.0/HDMI™/DP 1.2/VGA/iDP
- » High speed I/O interface for USB 3.0, SATA 6Gb/s and mSATA support
- » Support IEI jumpless

Specifications

System	
CPU	LGA 1151 socket supports Intel® 6th/7th generation Core™ i7/i5/i3, Pentium® or Celeron® processor
Chipset	Intel® Q170
Memory	Two 260-pin 2133 MHz dual-channel DDR4 SDRAM SO-DIMM
Memory Max.	64GB
Physical Characteristics	
Dimensions (LxWxH) (mm)	170 X 170
Net Weight	450g
Storage	
Storage	4 x SATA :6Gb/s(RAID 0/1/5/10 support)
I/O Interface	
Display Output	1 x VGA :up to 1920x1200
	1 x HDMI™ :2.0 (up to 4096x2160@60Hz)
	1 x Display Port :HDMI™/DP (up to 3840x2160@60Hz)
	1 x iDP :interface for HDMI™, LVDS, VGA, DVI, DP (up to 3840x2160@60Hz)
Ethernet	2 x LAN LAN1: Intel® I219LM with (Intel® AMT 11.0 support)
	LAN2: Intel® I211 PCIe controller with NCSI support
Audio	Description: Realtek ALC662 HD Audio codec
	1 x Line out :on rear IO
	1 x Mic :on rear IO
	1 x Front Audio :2x5 pin
I/O Interface	4 x Internal RS-232 :2x5 pin, p=2.0
	2 x Internal RS-232/422/485 :2x5 pin, p=2.0
	2 x External USB 2.0
	4 x External USB 3.2 Gen1x1
	4 x Internal USB 2.0 :2x4 pin, p=2.0
Expansion	1 x PCIe x8
	1 x PCIe mini Card Slot :Full-size slot (support mSATA)
Power	
Power Consumption	3.3V@0.62A, 5V@3.3A, 12V@7.51A, 5VSB@0.23A
	(Intel® Core™ i7 6700K 4.0GHz CPU with 16 GB (two 8 GB) 2133 MHz DDR4 memory)

Power Supply	Support AT/ATX mode
Environment	
Operating Temperature	-20°C ~ 60°C
Humidity	5% ~ 95%, non-condensing
Certifications	
Safety & EMC	CE/FCC compliant

Ordering Information

KINO-AQ170-R10	Mini-ITX Motherboard supports 14nm LGA1151 Intel® Skylake CPU Intel® Q170,HDMI™ 2.0/DP/VGA, SATA, Dual Intel®GbE, USB3.0,PCIE mini, HD audio and RoHS
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Packing List

1 x KINO-AQ170 single board computer	2 x SATA cable
1 x I/O shielding	1 x QIG