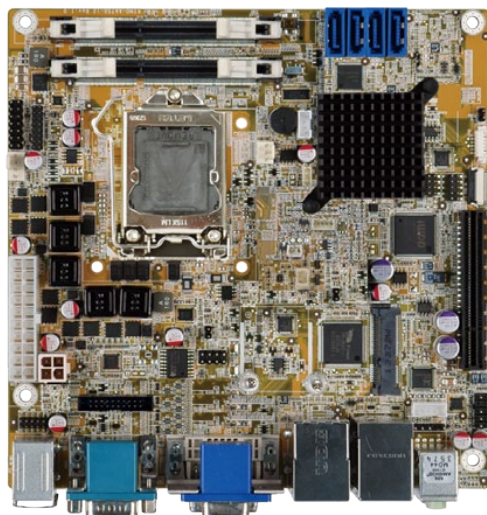


KINO-AQ170

Mini-ITX SBC supports Intel® new gen DT Processor, HDMI 2.0/ VGA, Dual Intel® GbE, SATA 6Gb/s, USB 3.0, PCIE mini, HD audio and RoHS

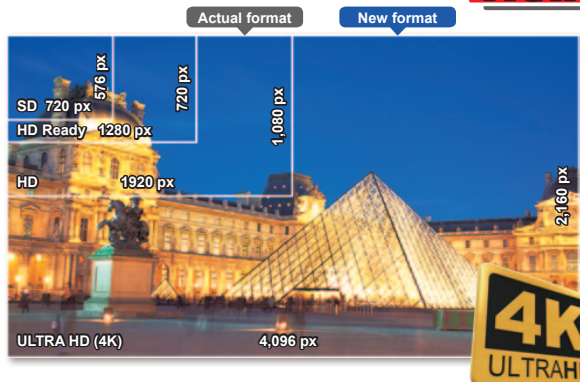


Specifications

- ◆ CPU
LGA 1151 socket supports new gen DT processor
- ◆ System Chipset
Intel® Q170 chipset
- ◆ BIOS
AMI UEFI BIOS
- ◆ Memory
2 x SO-DIMM DDR4 2133MHz up to 32GB
- ◆ Graphic
Intel® HD Graphics Gen 9 support for DX11/12, OCL 2.x, OGL 4.3/4.4, ES 2.0
Decode/Encode for HEVC, VP8, VP9 2, VDENC
- ◆ Display Output
Support HDMI 2.0, VGA, iDP
- ◆ Ethernet
Dual GbE Intel® I211, I219LM (iAMT 10.0 support)
- ◆ External I/O Interfaces
1 x RS-232 on Rear IO
2 x USB 2.0 (rear IO)
4 x USB 3.0 (rear IO)
- ◆ Internal I/O Interfaces
3 x RS-232 (2 x 5pin, P=2.0)
2 x RS-232/422/485 (2 x 5pin, P=2.0)
4 x SATA with 5V output
4 x USB 2.0 (2 x 4pin, P=2.0)
- ◆ Front Panel
1 x Front panel connector (2 x 7pin, power LED, HDD LED, speaker, power button, reset button)
- ◆ LAN LED
2 x LAN LED (1x 2 pin)
- ◆ SMBUS
1 x SMBus (1 x 4pin)
- ◆ I²C
1 x I²C (1 x 4pin)
- ◆ Digital I/O
8-bit digital I/O (2 x 5pin)
- ◆ Expansion
1 x PCIe x4 slot
1 x full size mini PCIe slot (mSATA)
- ◆ Audio
ALC662 (2 x 5 Pin) (2 Jack colay 3 Jack)
- ◆ Watchdog Timer
Software programmable support 1~255 sec. system reset by Super I/O
- ◆ Power Supply
AT/ATX power
- ◆ Fan Connector
1 x 4-pin CPU fan
1 x 4-pin system fan
- ◆ Operating Temperature
-20°C ~ 60°C
- ◆ Operating Humidity
5% ~ 95%, non-condensing

HDMI 2.0 Ultra HD (4,096 x 2,160 @ 60Hz)

New



	HDMI 1.4	HDMI 2.0
Bandwidth	10.2Gbps	18Gbps
4K @ 30hz	Yes	Yes
4K @ 60hz	No	Yes
Up to 32 Audio Channels	No	Yes

Features

- Mini ITX form factor with Intel® Skylake-S processor support DDR4-2133 memory
- Support HDMI2.0 (4K @ 60Hz)
- Dual Intel®GbE support iAMT 10.0
- Triple display with HDMI 2.0/ VGA/iDP
- Supports USB 3.0, SATA 6Gb/s, PCIE mini (mSATA)
- Support IEI jumpless

Packing List

1 x KINO-AQ170 single board computer
1 x I/O shielding
2 x SATA cable (P/N: 32000-062800-RS)
1 x One key recovery CD
1 x QIG
1 x Utility CD

Ordering Information

Part No.	Description
KINO-AQ170-R10	Mini-ITX SBC supports Intel®new gen DT Processor,HDMI2.0/ VGA, SATA6Gb/s, Dual Intel®GbE, USB3.0/PCIE mini, HD audio and RoHS
32000-070301-RS	Dual USB Cable
32200-000049-RS	RS232 cable, 200mm
32205-003800-300-RS	RS-422/485 cable, 200mm
DP-DP-R10	DisplayPort to DP converter board (for IEI connector)
DP-DVI-R10	DisplayPort to DVI-D converter board (for IEI connector)
DP-HDMI-R10	DisplayPort to HDMI converter board (for IEI connector)
DP-LVDS-R10	DisplayPort to 24 bit dual channel LVDS converter board (for IEI connector)
DP-VGA-R10	DisplayPort to VGA converter board (For iEi connector)
TPM-IN01-R11	20-Pin Infineon TPM module, software management tool, are V3.17