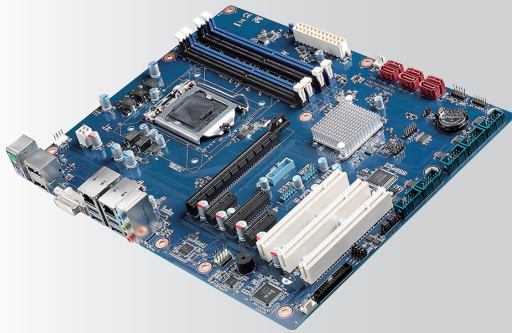


BQ170-A



6th & 7th Gen Intel® Core™ i7/i5/i3 LGA1151 ATX

Features

- ▶ Supports Intel® Core™ i7/i5/i3 processor with Q170 chipset (Co-Lay H110)
- ▶ Supports three independent display of 2 DP, DVI-D and two GbE LAN
- ▶ Supports 5 COM, 6 USB 3.0, 8 USB 2.0, TPM 1.2 (optional)
- ▶ Four DIMM sockets support up to 64 GB DDR4 2133/2400 MHz SDRAM

Specifications

System

CPU	Socket LGA1151 supports Intel Core i7/ i5/ i3/ Pentium/ Celeron
BIOS	AMI 128Mb SPI Flash
System Chipset	Q170
I/O Chip	Nuvoton NCT6106D
Memory Type	Four 288-pin DIMM slots support up to 64GB dual channel DDR4 2133/2400 SDRAM
Watchdog Timer	Reset : 1 to 255 sec/min per step
Expansion	1 PCIe x16, 1 PCIe x4, 2 PCIe x1, 3 PCI
Power Status	S0, S3, S4, S5
iAMT	Yes 11.0
Smart Fan Control	Yes

I/O

MIO	5 COM, 6 SATA 3.0, 1 LPC Header, 2 Parallel Port, 1 Front Panel Connector, 1 Front Audio Connector, 3 Fan Connector, 1 Case Open Header
USB	6 USB 3.0, 8 USB 2.0
GPIO	8-bit General Purpose I/O

Display

DVI	Onboard DVI-D, supports max resolution 1920 x 1200
DisplayPort	Onboard, supports max resolution 1920 x 1080

Audio

Audio Codec	Realtek ALC892, 5.1 Channel HD Audio
Audio Interface	Line-in, Line-out, Mic-in, Front Audio Header

Ethernet

LAN 1	Intel i219-LM Gigabit LAN
LAN 2	Intel i211-AT Gigabit LAN

Back Panel I/O Port

1 DVI-D Port
2 DisplayPort
2 LAN RJ45 Port
1 Audio I/O (3 Jacks)
1 PS/2 Keyboard/ Mouse Port
4 USB 3.0 Port

Internal I/O Connector

6 SATA 3.0 Connector
1 Front Audio Connector
4 COM RS-232 Connector
1 COM RS-232/ 422/ 485 Connector
2 System Fan Connector
1 CPU Fan Connector
1 GPIO Connector
1 TPM Connector

Power

Power Requirement	+12V (5.51A), +5V (1.466A), +3.3V (2.09A), 5VSB (0.6A)
Power Type	ATX (supports AT Mode)
Power Connector	1 24-pin ATX Power Connector, 1 4-pin ATX 12V Power Connector

Mechanical & Environmental

Operating Temperature	0°C to 60°C (32°F to 140°F)
Operating Humidity	95%@40°C (non-condensing), operating
Size (L x W)	12" x 9.6" (305 x 244 mm)
Weight	1.37 lbs (0.62 Kg)

Ordering Information

Part Number	Description
IQ170-AL00-0A1E	BQ170-A ATX motherboard