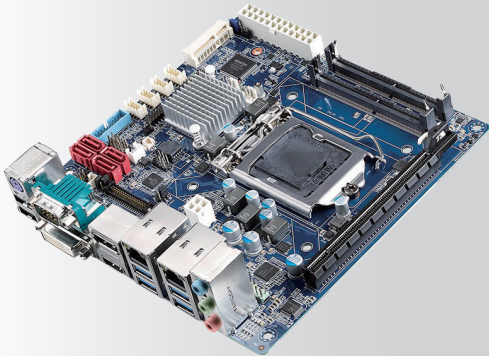


BQ170-I

6th & 7th Gen Intel® Core™ i7/i5/i3 LGA1151 Mini-ITX



Features

- ▶ Supports Intel® Core™ i7/i5/i3 processor with Q170/H110 chipset
- ▶ Two DIMM sockets support up to 32 GB DDR4 2133 MHz SDRAM
- ▶ Supports 5 COM, 6 USB 3.0, 4 USB 2.0, TPM 2.0 (optional)
- ▶ Supports three independent display of HDMI, DP, DVI-D, LVDS and two GbE LAN

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 | Two 260-pin SO-DIMM slots support up to 32GB dual channel DDR4 2133 SDRAM |
| Watchdog Timer | Reset : 1 to 255 sec/min per step |
| Expansion | 1 PCIe x16, 1 Mini-PCIe |
| Power Status | S0, S3, S4 |
| Wake up on LAN or Ring | LAN (WOL) and Ring (WO) |
| Smart Fan Control | Yes |

I/O

| | |
|------|---|
| MIO | 1 LVDS, 4 COM, 4 SATA 3.0, 1 LPC, 1 Front Panel connector, 1 Front Audio connector, 1 Amplifier connector |
| USB | 6 USB 3.0, 4 USB 2.0 |
| GPIO | 8-bit General Purpose I/O for 4-bit DI and 4-bit DO |

Display

| | |
|-------------|--|
| DVI | Onboard DVI-D, supports max resolution 1920 x 1200 |
| LVDS | Onboard 24-bit LVDS, supports max resolution 1920 x 1200 |
| HDMI | Onboard HDMI 1.4 |
| 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 i211-AT Gigabit LAN |
| LAN 2 | Intel i219-LM Gigabit LAN |

Back Panel I/O Port

| |
|-----------------------------|
| 1 DVI-D Port |
| 1 HDMI Port |
| 1 DisplayPort |
| 1 COM RS-232 Port |
| 2 USB 2.0 Port |
| 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

| |
|-------------------------|
| 4 SATA 3.0 Connector |
| 1 Front Audio Connector |
| 4 COM RS-232 Connector |
| 1 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) | 6.69" x 6.69" (170 mm x 170 mm) |
| Weight | 0.88 lbs (0.4 Kg) |

Ordering Information

| Part Number | Description |
|-------------------|------------------------------|
| ADS-BSKLIL00-0A1E | BQ170-I mini-ITX motherboard |