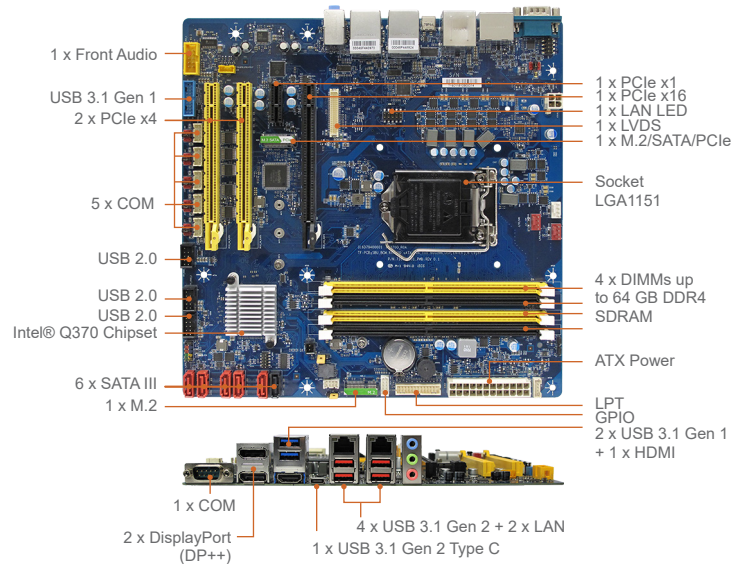


Features

- High Reliability Gold Plating Connectors
- Intel® Q370 PCH
- Socket LGA 1151 supports 8th/9th Generation Intel® Core™/Pentium®/ Celeron® Processors*
- 4 x Gold Plated DIMM Up to 64GB Dual Channel DDR4 2400Mhz Optional ECC Memory Support
- 2 x Gigabit LAN: Intel® I219-LM and Intel® I211-AT
- Rich expansion interfaces with gold plated slots
- 2 x DisplayPort (DP++), 1 x HDMI
- 6 x SATA III, 9 x USB 3.0, 6 x USB 2.0, 6 x COM
- Supports SATA RAID 0, 1, 5 and 10
- TPM 2.0
- Intel® AMT 12, Intel® RST, Intel® PTT



Specifications

| System | |
|------------------------------|--|
| CPU | Supports 8th Gen LGA1151 Intel® Core-i™, Pentium, and Celeron processors* up to 95W DP Supports 9th Gen LGA1151 Intel® Core-i™, Pentium, and Celeron processors* with 6 cores or less & up to 95W TDP Supports 8 Core 9th Gen LGA 1151 Intel® Core-i™ processors* up to 35W TDP * Processor lccMax <= 138A. |
| System Chipset | Intel® Q370 PCH |
| System Memory | 4 x Gold Plated DIMM Support up to 64GB Dual Channel DDR4 2400MHz System Memory. Optional ECC Memory Support |
| Audio Codec | Realtek® ALC888S |
| H/W Status Monitor | LAN1: Intel® i219-LM Gigabit Ethernet Controller LAN2: Intel® i211-AT Gigabit Ethernet Controller |
| Ethernet | 1 x Full Size Mini PCIe (mSATA) 1 x M.2 (B-KEY, 2242) |
| BIOS | AMI® 128Mb SPI BIOS/AMI uEFI BIOS, 128Mbit SPI Flash ROM |
| Expansion | 1 x PCIe x 16 Slot (Gold Plated) 2 x PCIe x 4 Slot (x16 Physical Slot) (Gold Plated) 1 x PCIe x 1 Slot Open End (Gold Plated) 1 x M.2 Type M 2242, 2260, 2280 Slot (with USB, PCIe x4 & SATA III) (Gold Plated) 1 x M.2 Type A/E 2232 (with USB & PCIe x2) (Gold Plated) |
| Watchdog Timer | Reset: 1 sec. ~ 255min. and 1sec. or 1min./step |
| H/W Status Monitor | Monitoring System Temperature, Voltage, with Auto Throttling Control |
| TPM | Infineon® SLB 9665 TPM 2.0 |
| Intel® Advanced Technologies | Intel® Rapid Storage Technology (RAID 0, 1, 5 and 10 support) Intel® Rapid Storage Technology for PEI Express Storage Intel® Active Management Technology (Intel® AMT) Intel® Optane Memory Support Intel® Smart Sound Technology Intel® High Definition Audio (Intel® HD Audio) Intel® Platform Trust Technology (Intel® PTT) |
| Display | |
| Graphics Engine | Intel® Integrated Graphic |
| Interfaces | 2 x DisplayPort (DP++) (Gold Plated), 1 x DVI-D, Optional eDP |
| Capability | Supports 3 Independent Display |

| Internal I/O | |
|--------------|--|
| LVDS/eDP | 1 x LVDS Header (Gold Plated)(Optional eDP) 1 x Backlight Locking Type Header (Gold Flashed) |
| USB | 3 x USB 2.0 Headers (6 Ports on Header) (Gold Plated) 1 x USB 3.1 Gen 1 Header (2 Ports On Header) (Gold Plated) |
| COM | 5 x RS-232 Headers with Voltage Selection |
| SATA | 5 x SATA III Connectors (Red) (Gold Plated) 1 x SATA III Connectors (Black) (Shared with M.2) (Gold Plated) |
| MIO | 1 x LPT, 1 x LPC, 1 x SPI, Front Audio, Front Panel, 1 x 8-bit GPIO, 1 x 1 x Horizontal Socket Type CMOS Battery Holder, 1 x 4 Pin CPU Fan Header, 2 x 4 Pin Chassis Fan Header, 1 x Onboard Buzzer, 1 x Chassis Intrusion Locking Type Header |

| External I/O | |
|--------------|--|
| Audio | 1 x 3 Jacks Audio Connector (Line-in, Line-out, Mic-in) |
| USB | 2 x USB 3.1 Gen 1, 1 x USB 3.1 Gen 2 Type C |
| LAN and USB | 2 x RJ-45 & Dual USB 3.1 Gen 2 (Stacked) |
| COM | 1 x RS-232/422/485 Connector (Gold Plated) |
| Display | 1 x HDMI Connector (Gold Plated) 2 x DisplayPort Connector (DP++) (Gold Plated) |

| Mechanical & Environment | |
|--------------------------|--|
| Power | 1 x Std. 24 pin ATX Connector (Gold Plated) |
| Type | 1 x 4 pin ATX 12 Connector (Gold Plated) AT/ATX Mode Jumper |
| Operating Temp | 0 ~ 60°C (32 ~ 140°F) |
| Storage Temp | -20 ~ 80°C (-4 ~ 176°F) |
| Operating Humidity | 5 ~ 90% Relative Humidity, Non-condensing |
| Form Factor | uATX (Micro ATX) |
| Dimensions | 9.6" (L) x 9.6" (W) |
| Weight | 1.45 lbs |

| Ordering Info | |
|---------------|--|
| RX370Q | Intel Q370 Micro ATX Motherboard supports 8th Gen Intel Coffee Lake Processors |
| 183000000006 | 2.00mm pitch 12" length Serial cable |
| 182437200040 | 2.54mm pitch 14" length Dual port USB cable w/ full height bracket |
| 181100000006 | 20" length SATA data cable with Latch |

* All product specifications and images are subject to change without notice. Last update: 2020/12/14