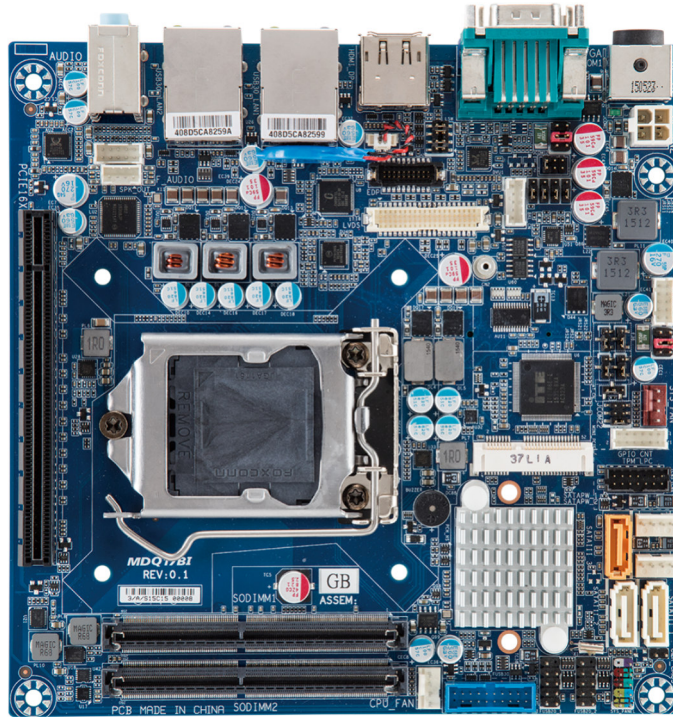


GIGAIPC



mITX-Q170A

Mini-ITX with Intel® Q170 Chipset that supports 7/6th Generation Intel® Core™ Processors, Dual channel DDR4 memory, PCIe, 2 x COM, 10 x USB, 3 x SATA 6Gb/s

Key Features

- Mini-ITX form factor
- Supports 7th / 6th Generation Intel® Core™ Processors
- Intel® Q170 Express Chipset
- Dual Channel DDR4, 2 x SO-DIMMs
- 2 x GbE LAN ports
- 3 x SATA 6Gb/s ports
- HDMI, Display Port, VGA, eDP ports for multiple display
- 2 x RS232/422/485/5V/12V/RI COM ports

Application

SPECIFICATION

Mini-ITX with 7/6th Generation Intel® Core™ Processors, Dual channel DDR4 memory, PCIe, 2 x COM, 10 x USB, 3 x SATA 6Gb/s

Specification

Form Factor	Mini-ITX 170W x 170D(mm)
CPU	Support for 7/6th Generation Intel® Core™ i7/i5/i3, Pentium® and Celeron® processors in the LGA1151 package TDP under 65W L3 cache varies with CPU
Socket	1 x LGA 1151
Chipset	Intel® Q170 Express Chipset
Memory	2 x DDR4 SO-DIMM sockets, Max. Capacity 32GB Support Dual channel DDR4 2400/2133 MHz memory modules
Ethernet	2 x GbE LAN ports (Intel® i219LM and Intel® i211AT)
Video	Integrated Graphics Processor - depends on CPU: 1 x HDMI 1.4 port, supporting a maximum resolution of 4096x2160 @30Hz 1 x DP port, supporting a maximum resolution of 4096x2160 @60Hz 1 x eDP port, supporting a maximum resolution of 1920x1080 @60Hz 1 x LVDS port, supporting a maximum resolution of 1920x1080 @60Hz * eDP port is alternative with LVDS port, only one can be worked at the same time (3 independent display outputs)
Audio	Realtek® Audio Codec
Storage	3 x SATA 6Gb/s ports (RAID/0/1/5/10) (incl. 1 x SATA supports SATA DOM)
Expansion Slots	1 x PCIe x16 (Gen3 x16) 1 x Full-size Mini-PCIe/mSATA 1 x 2280/2242 M.2 M-Key (PCIex4, SATA 6Gb/s)
Internal I/O	1 x 4-pin ATX main power connector 2 x SATA power connectors 1 x CPU fan header

	<ul style="list-style-type: none"> 1 x System fan header 1 x Front panel header 1 x Front panel audio header 1 x 2W Speaker out header 4 x USB 2.0 headers 2 x USB 3.0 headers 1 x COM header (RS-232/422/485 and RI/5V/12V) 1 x GPIO (8-bits) & SMBUS header 1 x Backlight Control header 1 x Clear CMOS jumper 1 x Buzzer
Rear I/O	<ul style="list-style-type: none"> 3 x Audio jacks (Line in, Line out, Mic in) 1 x COM port (RS-232/422/485 and RI/5V/12V) 1 x HDMI 1 x Display Port 1 x VGA 2 x RJ45 LAN ports 4 x USB 3.0 1 x DC Jack (+12V/+19V/+24VDC)
TPM	<ul style="list-style-type: none"> 1 x TPM Header
OS Compatibility	<ul style="list-style-type: none"> Windows 10 (x64) Windows 7 (x64)
Operating Properties	<ul style="list-style-type: none"> Operating temperature: 0°C to 60°C Operating humidity: 0-90% (non-condensing) Non-operating temperature: -20°C to 70°C Non-operating humidity: 0%-95% (non-condensing)
Packing Content	<ul style="list-style-type: none"> Box Packing Capacity: 10pcs Carton size: 465 x 351 x 217 (mm) Content: IO Shield x 1 (P/N: 12AIO-MDH114-00R) SCREW FLAT HEAD M2*2.5 x 1 (P/N: 12KS2-110202-01R) SCREW STAND OFF x 1 (P/N: 12KSF-F10303-20R) SATA Power cable x 1 (P/N: 25CRI-200B02-K1R) SCREW I HEAD M2x3L x 1 (P/N: 25KSG-130032-S0R)
Order Information	<ul style="list-style-type: none"> 9MDQ17BIMR-SI (Box packing)
Optional kit	<ul style="list-style-type: none"> TPM 2.0 module: 9CTM000NR-00
Form Factor	<ul style="list-style-type: none"> Mini-ITX 170W x 170D(mm)
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TPM	1 x TPM Header

OS Compatibility	Windows 10 (x64) Windows 7 (x64)
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