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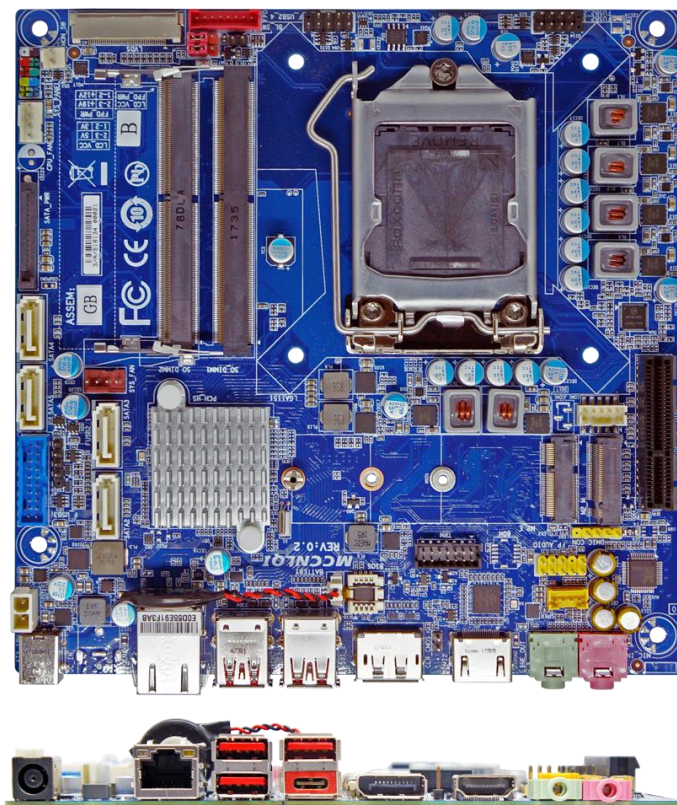


# Datasheet

## GIGAIPC

### iTXL-Q370A

Thin Mini-ITX Motherboard for 8<sup>th</sup> Gen. Intel® LGA1151 Core™ i Processor,  
Intel® Q370 Express Chipset, 2x DDR4 SO-DIMM Socket supporting up to 32GB,  
HDMI, DP, LVDS, 11x USB, 1x COM, 4x SATA

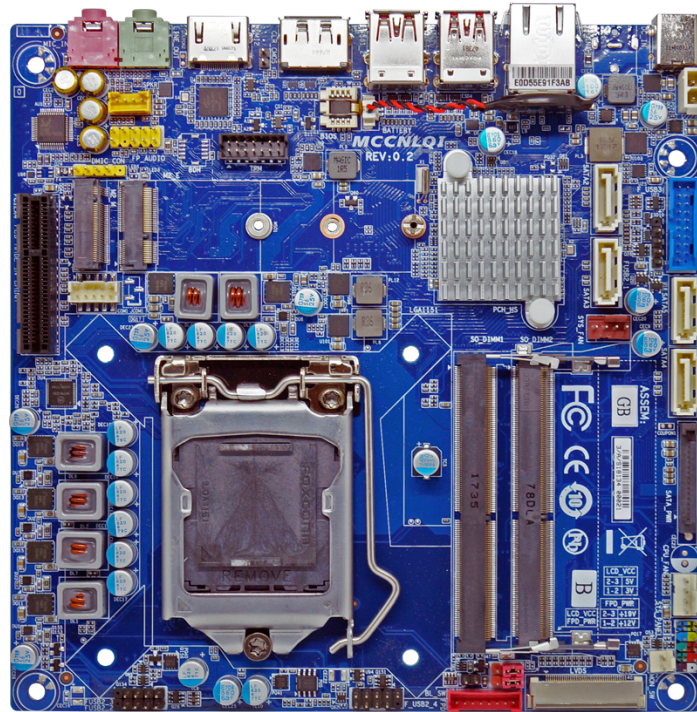


Note: a separate data sheet is available for each version

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## iTXL-Q370A

Thin Mini-ITX with 8th Generation Intel® Core™ Processor, Dual channel DDR4 memory, PCIe, 1 x COM, 11 x USB, 4 x SATA 6Gb/s

### Key Features

- Thin Mini-ITX form factor
- Supports 8th Generation Intel® Core™ Processors
- Dual Channel DDR4, 2 x SO-DIMMs
- 1 x GbE LAN port
- 4 x SATA 6Gb/s ports
- HDMI2.0, Display Port, LVDS ports for multiple display
- Realtek ALC887 audio codec
- 1 x RS232 COM port

### Application

## SPECIFICATION

Thin Mini-ITX with 8th Generation Intel® Core™ Processor, Dual channel DDR4 memory, PCIe , 1 x COM , 11 x USB, 4 x SATA 6Gb/s

<b>FORM FACTOR</b>	Thin Mini-ITX 170W x 170D(mm)
<b>CPU</b>	Support for 8th Generation Intel® Core™ i7 processors/ Intel® Core™ i5 processors/ Intel® Core™ i3 processors/ Intel® Pentium®processors/ Intel® Celeron® processors in the LGA1151 package TDP under 65W L3 cache varies with CPU
<b>SOCKET</b>	1 x LGA 1151
<b>CHIPSET</b>	Intel® Q370 Express Chipset
<b>MEMORY</b>	2 x DDR4 SO-DIMM sockets supporting up to 32GB of system memory Dual channel memory architecture Support for DDR4 2666/2400 MHz memory modules
<b>ETHERNET</b>	1 x GbE LAN port (Intel® i219LM)
<b>VIDEO</b>	Integrated Graphics Processor - Intel® HD Graphics support: 1 x HDMI port, supporting a maximum resolution of 4096x2160@60Hz 1 x DP port, supporting a maximum resolution of 4096x2160@60Hz 1 x LVDS port, supporting a maximum resolution of 1920x1080@60Hz * Support up to 3 displays at the same time * Support for HDMI 1.4 version * Maximum shared memory of 1024MB
<b>AUDIO</b>	Realtek ALC887 + ALC105 Amplifier High Definition Audio
<b>STORAGE</b>	4 x SATA 6Gb/s ports
<b>EXPANSION SLOTS</b>	1 x PCIe x 4 (Gen3 x 4 bus) slot 1 x M.2 slot: - M-key - SATA 6Gb/s & PCIe - Supports NGFF-2260/2280 cards 1 x M.2 slot: - E-key - Supports NGFF-2230
<b>INTERNAL I/O</b>	1 x 2-pin ATX main power connector 4 x SATA 6Gb/s connectors 5 x USB 2.0 headers 2 x USB 3.0 headers 1 x Front panel header

	<p>1 x Front panel audio header  1 x 3W Speaker out header  1 x DMIC header  1 x LVDS connector  1 x FPD ( For LVDS 19V )  1 x FPD_SW 1x3 ( For Panel Power SW )  1 x LCD_VCC Pin header  1 x Back Light Switch  1 x System fan header  1 x CPU fan header  1 x COM Header (RS-232)  1 x SATA Power connector</p>
<b>REAR I/O</b>	<p>2 x Audio jacks (Line out, Mic in)  1 x HDMI 2.0  1 x Display Port  1 x RJ45  4 x USB3.1  1 x DC Jack (+12V/+19Vdc)</p>
<b>TPM</b>	<p>1 x TPM Header</p>
<b>OS COMPATIBILITY</b>	<p>Windows 10 (x64)</p>
<b>PSU CONNECTORS</b>	<p>1 x DC-in (+12/+19VDC)  1 x 2-pin ATX power connector</p>
<b>OPERATING PROPERTIES</b>	<p>Operating temperature: 0°C to 60°C  Operating humidity: 0-90% (non-condensing)  Non-operating temperature: -40°C to 85°C  Non-operating humidity: 0%-95% (non-condensing)</p>
<b>PACKING CONTENT</b>	<p>BOX Packing Capacity: 10pcs  Carton size: 460 x 345 x 203(mm)  Content:  IO Shield x 1 (12AIO-MCH370-00R)</p>
<b>ORDER INFORMATION</b>	<p>9MCQ37AIMR-SI</p>
<b>OPTIONAL KIT</b>	<p>TPM 1.2 module: 9CMUFLNR-00  TPM 2.0 module: 9CTM000NR-00</p>

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