



## MIX-Q670D1- Mini-ITX Motherboard with Intel® 13th 12th Generation Processor Support, Intel® Q670E Chipset, and Quad Display Support

The MIX-Q670D1 is a Mini-ITX motherboard with a low-profile board design, made to fit into tight spaces without sacrificing key interfaces or limiting performance. It has quad simultaneous display support, in addition to broad extensibility and versatile connection options. The MIX-Q670D1 supports Intel® 13th and 12th generation Core™ Processors for a modern computing solution with a small footprint.

### SPECIFICATIONS

<b>CPU</b>	Intel® 12th and 13th Generation processors up to 65W TDP
<b>CPU Socket</b>	LGA1700
<b>Memory Type</b>	262-pin DDR5 4800MHz SO-DIMM
<b>Memory Slots</b>	2
<b>Maximum Memory Supported</b>	64GB
<b>Chipset</b>	Intel® Q670E
<b>Integrated Graphics</b>	Intel® UHD Graphics
<b>Watchdog Timer</b>	1~ 255 steps, programmable
<b>Video</b>	2 x HDMI 2.0, 2 x DisplayPort 1.2, 1x LVDS/eDP
<b>LAN Ports</b>	1x Intel® I219-LM Gigabit LAN, 1x Intel® I210-AT Gigabit LAN
<b>Serial ATA(SATA)</b>	2 x SATA III
<b>Digital I/O</b>	8-bit

<b>Extended Interface</b>	1x M.2 M-Key2280 (PCIe [x4]/NVMe), 1x M.2 B-Key3042/3052 (PCIe [x1], USB 3.2 Gen 1/USB 2.0), 1x M.2 E-Key2230 (PCIe [x1], Optional: dual PCIe [x1], USB 2.0)
<b>Rear I/O</b>	4 xUSB 3.2 Gen 2, 2 xHDMI, 2 xDisplayPort, 1x Line-Out, 2 xLAN
<b>Internal I/O</b>	2 xUSB 2.0 Headers, 1x LVDS/eDP, 2 xSATAIII, 1x HD Audio, 1x RS-232/422/485, 1x RS-232, 1x DIO
<b>Audio</b>	Realtek® ALC897 HD Audio
<b>Power Requirement</b>	+12VDC input
<b>Dimensions</b>	6.7" x6.7" (170mmx 170mm)
<b>Operating Temperature</b>	0 ~ 60° C (32 ~ 140°F)
<b>Storage Temperature</b>	-40~ 85 °C (-40~ 185 °F)
<b>Relative Humidity</b>	0 ~ 90%, non-condensing
<b>OS Software Supported</b>	Windows 1064-bit, Windows 1164-bit
<b>Global P/N / SKU</b>	2809181

## Ordering Options

MIX-Q670D1(SKU# 2809181): Mini-ITX Motherboard with Intel® Q670E Chipset and Intel® 13th/12th Gen Processor Support