

# Q370M-IM-A

Micro ATX form factor, Intel® Core™ i series/Pentium®/Celeron® Processors, DDR4 U-DIMM, Dual DP, HDMI, D-SUB, Intel® vPro support



## Features

- Supports up to 3 display configuration by multiple interface:  
Dual DP/HDMI/D-SUB
- 7-year longevity supply
- Wide temperature range endurance: 0~60 °C



## Specifications

<b>PROCESSOR SYSTEM</b>	CPU	LGA1151 socket for 9 <sup>th</sup> /8 <sup>th</sup> Generation Intel® Core™ i9/ i7/ i5/ i3/Pentium®/Celeron® Processors
	CHIPSET	Intel® Q370 Chipset
<b>MEMORY</b>	Technology	DDR4 2666/2400/2133MHz
	Max.	64GB
	Socket	4 x U-DIMM
<b>Display</b>	Controller	Intel UHD Graphics 630/610
	HDMI	1, Supports HDMI 1.4 up to 4096 x 2160 @ 24Hz / 2560 x 1600 @ 60Hz
	Display Port	2, Supports DP 1.2a up to 4096 x 2304 @ 60 Hz
	Multi Display	1, Supports up to 1920 x 1200 @ 60Hz
<b>EXPANSION SLOT</b>	PCIe	Dual DP +HDMI+D-SUB, DP+HDMI+D-SUB, Dual DP+HDMI, Dual DP+D-SUB, 1 x PCI Express 3.0/2.0 x16 2 x PCI Express 3.0/2.0 x1 1 x PCI
	M.2	2 x M.2 Socket with M Key, type 2242/2260/2280 storage devices with IRST support(1@ SATA* & PCIE mode), SATA mode share with SATA6G_2. Ready for Intel® Optane Memory 1 x M.2 Socket with E Key, type 2230 Wi-Fi devices support
<b>ETHERNET</b>	Speed	10/100/1000Mbps
	Controller	1 x Intel® I219LM
	Connector	1 x RJ-45
<b>AUDIO</b>	Codec	Realtek® ALC887 8-channel High Definition Audio CODEC
	Connector	Line-in, Line-out, Mic-in
<b>STORAGE</b>	SATA port	6 x SATA 6.0 Gb/s ports (gray), support Raid 0,1,5,10
<b>Rear I/O</b>	PS/2	1 x PS/2 Keyboard (Purple); 1 x PS/2 Mouse port (Green)
	DisplayPort	2
	HDMI	1
	D-SUB	1
	Ethernet	1
	USB 3.2 Gen 2 (TypeA)	4
	USB 2.0 (TypeA)	2
	Audio	3 Audio jacks support 8 channel
<b>Internal Connector</b>	Serial Port	2 (2 x RS 232)
	USB 3.2 Gen 1	2, support additional 4 x USB 3.2 Gen 1 connectors
	USB2.0	1, support additional 2 x USB2.0 connectors
	CPU fan header	1
	Chassis fan header	2
	Chassis intrusion header	1
	Front panel audio header (AAFP)	1
	System panel header	1
	Clear CMOS jumper	1
	LPC Debug header	1
LPT port header	1	
Power connector	1 x 24-pin ATX Power connector, 1 x 8-pin ATX 12V Power connector	

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<b>Internal Connector</b>	Speaker connector	1
	MONO-out header	1 (with AMP IC)
	DIS ME jumper	1
<b>WATCHDOG TIMER</b>	H/W	No
<b>Security</b>	TPM	TPM 2.0 IC Onboard (NPCT750)
<b>POWER</b>	Power Type	ATX power
<b>Operating System</b>	Microsoft Windows	Windows® 10 (64bit ) / Win10 IoT Enterprise
	Linux	Ubuntu, RedHat Enterprise, Fedora Workstation
<b>ENVIRONMENT</b>	Operating Temperature	0~60° C
	Non-Operating Temperature	-40~85° C
<b>DIMENSION</b>	Form Factor	Micro ATX, 9.6 x 9.6 inches (24.4 x 24.4 cm)
<b>Certification</b>	Safety	CE, FCC
	EMC	UL, CCC

# Block Diagram

