

Q370I-IM-A

Mini-ITX, LGA1151 socket for the 9th/8th Gen CPU, Q370 chipset, 2*SO-DIMM.
1*PCIe x16, 2*DP, DVI-D, LVDS, 2*M.2 slot, 1*Mini-PCIe

Features

- Two 260-pin SO-DIMM up to 64GB DDR4 2666/2400/2133 MHz SDRAM.
- Supports 3 displays configuration by multiple interface: 2*DP/ DVI-D /LVDS or eDP
- 7-year longevity supply
- Wide temperature Range: 0~60°C



Specifications

Processor System	CPU	LGA1151 socket for the 9th/8th Generation Intel® Core™ i7/ i5/ i3/ Pentium® / Celeron® processors supports 14nm CPU, Max. 65W TDP
	CHIPSET	Intel® Q370 chipset
Memory	Technology	DDR4 2666/2400/2133 MHz
	Max.	64GB
	Socket	2 x SO-DIMM
Display	DVI-D	1, Supports up to 1920 X 1200 @ 60 Hz
	Display Port	2, Supports DP 1.2a up to 4096 x 2160 @ 60 Hz
	LVDS	1, Supports up to 1920 x1200 @ 60Hz
	Embedded Display Port	1, 2 lanes supported (co-lay with LVDS), Supports up to 1920 x1200 @ 60Hz
	Multi Display	DVI-D+DP+LVDS, DP+DP+LVDS, DP+DP+DVI-D, DVI-D+DP+eDP, DP+DP+eDP
Expansion Slot	PCIe	1 x PCIe 3.0/2.0 x16 slot
	Mini PCIe	1 x full/half mini-PCIe (PCIe & SATA mode)
	M.2	1 x M.2 Socket 1 with E key, type 2230 for WIFI/BT device and Intel® CNVi 1 x M.2 Socket 3 with M key, type 2260/2280(PCIe & SATA mode), @back
Ethernet	Speed	10/100/1000Mbps
	Controller	1 x Intel® i219LM, 1 x Intel® i211AT
	Connector	2 x RJ-45
Audio	Codec	Realtek ALC887-VD2 High Definition Audio
	Connector	Line-Out, Line-In
Storage	SATA port	4 x SATA Gen 3.0, up to 6Gb/s
	mSATA	1 x Full/Half size (shared with Mini PCIe Slot)
Rear I/O	DVI-D	1
	Display Port	2
	USB3.2 Gen1	4
	USB 2.0	4
	Ethernet	2
	Serial Port	1(RS232/422/485)
	Audio jack	2
	PS/2	1 x Keyboard Port, 1 x Mouse Port
Internal Connector	Serial Port	3 (RS232)
	USB3.2 Gen1	1 X Header Support Additional 2 X USB3.2 Gen1 Connectors , 1 X Stick Socket
	USB2.0	1 X Header Support Additional 2 X USB2.0 Connectors
	CPU Fan Connector	1 (PWM Mode)
	Chassis Fan Header	1 (PWM+DC Mode)
	Chassis Intrusion Header	1
	Front Panel Audio Header (AAFP)	1
	System Panel Header	1(10-1 Pin)
	Clear CMOS Jumper	1
	Speaker Connector	1(4-pin)
	LPC Debug Header	1
	S/PDIF Header	1
	I ² C Header	1
	GPIO Header	1 (8 Bit)
AT/ATX Select Header	1	
Power Connector	1 X 4-pin ATX Power Connector, 1 X 24-pin ATX Power Connector	

Specifications

Watchdog Timer	H/W	YES
Security	TPM	1 x SPI TPM header
Power	Power Type	both ATX mode and DC in
	Voltage	DC in 12V
Operating System	Microsoft Windows	Windows® 10 (64bit) / Win10 IoT Enterprise
	Linux	Ubuntu, RedHat Enterprise, Fedora Workstation, OpenSUSE
Environment	Operating Temperature	0~60° C
	Non-Operating Temperature	-40~85° C
	Relative Humidity	0%~85%
Dimension	Form Factor	Mini-ITX, 170 x 170 mm
Certification	Safety	CE, FCC

Block Diagram

