

# Q370I-IM-A

Mini-ITX, LGA1151 socket for the 9<sup>th</sup>/8<sup>th</sup> 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
- 7-year longevity supply
- Wide temperature Range: 0~60°C

## Specifications

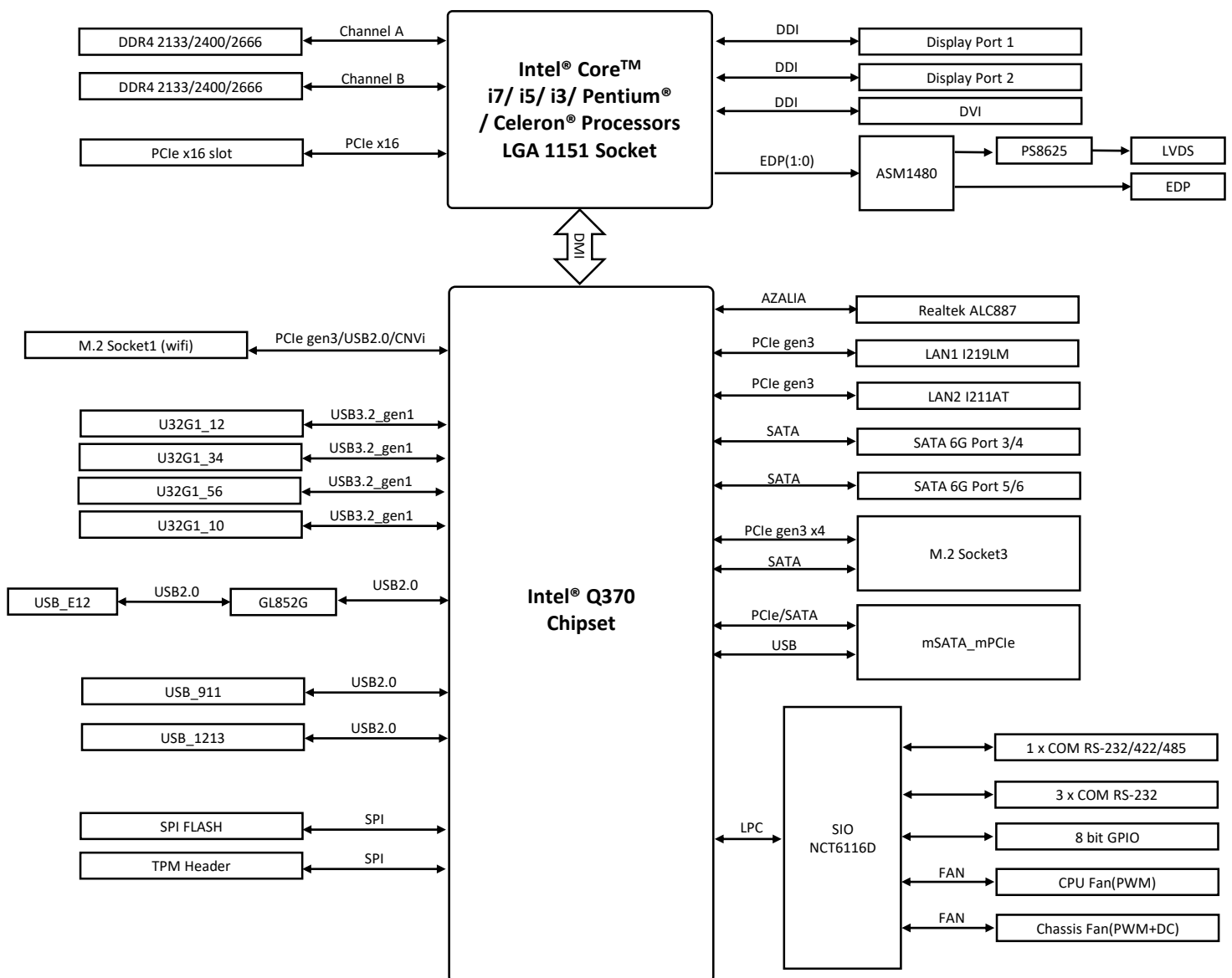


<b>Processor System</b>	CPU	LGA1151 socket for the 9th/8th Generation Intel® Core™ i7/ i5/ i3/ Pentium® / Celeron® processors supports 14nm CPU, Max. 65W TDP
	CHIPSET	Intel® Q370 chipset
<b>Memory</b>	Technology	DDR4 2666/2400/2133 MHz
	Max.	64GB
	Socket	2 x SO-DIMM
<b>Display</b>	DVI-D	1, Supports up to 1920 X 1200 @ 60 Hz
	Display Port	2, Supports DP 1.2a up to 4096 x 2160 @ 60 Hz
	LVDS	1, Supports 48 bits up to 1.4b 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
<b>Expansion Slot</b>	PCIe	1 x PCIe 3.0/2.0 x16 slot
	Mini PCIe	1 x full/half mini-PCIe with SATA
	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
<b>Ethernet</b>	Speed	10/100/1000Mbps
	Controller	1 x Intel® i219LM, supports WOL/PXE 1 x Intel® i211AT, supports WOL/PXE
	Connector	2 x RJ-45
<b>Audio</b>	Codec	Realtek ALC887-VD2 High Definition Audio
	Connector	Line-Out, Line-In
<b>Storage</b>	SATA port	4 x SATA Gen 3.0, up to 6Gb/s
	mSATA	1 x Full/Half size (shared with Mini PCIe Slot)
<b>Rear I/O</b>	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
<b>Internal Connector</b>	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 <sup>2</sup> 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

<b>Watchdog Timer</b>	H/W	YES
<b>Security</b>	TPM	1 x SPI TPM header
<b>Power</b>	Power Type	ATX
		DC-IN* *Support by power transfer card "EMA-DCB-A". Please contact your sales window for order information.
<b>Operating System</b>	Microsoft Windows	Windows® 10 (64bit ) / Win10 IoT Enterprise
	Linux	Ubuntu, RedHat Enterprise, Fedora Workstation, OpenSUSE
<b>Environment</b>	Operating Temperature	0~60° C
	Non-Operating Temperature	-40~85° C
	Relative Humidity	0%~85%
<b>Dimension</b>	Form Factor	Mini-ITX, 170 x 170 mm
<b>Certification</b>	Safety	CE, FCC

## Block Diagram



## Order Information

Model name	Part number	Description
Q370I-IM-A	90ME0190*	LGA1151,Q370,DVI-D,2*DP,MB

\* The part number might vary for different regulations and package. Please consult the TPM in your region for exact 90PN.

## Packing List

Part number	Description	Quantity
13020*	IO shield	1
14013*	SATA 6G CABLE	1
13020*	M.2 screw pack	2

\* The part number might vary due to part number revision.