



Micro-ATX Form Factor
Intel H310 / Q370 PCH

PH10FEU



Intel vPro



Dual LAN



Serial Port x 4



M.2 Support



3 Independent Displays

Features

Support 8th generation (Coffee Lake) Intel® Core™ i7, i5, i3 processors

Dual channel DDR4 with four connectors for MAX. 64GB memory

On board COM port header for RS232

Integrated Six-channel High Definition audio

Features dual high speed Gigabit Ethernet connection

Dual DP + DVI-D Triple display output

Support Type 2280, 2242 M.2 (NGFF)

Intel® vPro business-grade technology support

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Sales Contact

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Item	Spec	SKU-B	SKU-D
Form Factor	Micro-ATX 9.6" x 9.6" (244mm x 244mm)		
Processor	8th generation Intel® Coffee Lake Core processor family with up to 95W TDP		
Main Memory	Support Dual channel DDR4 2666 MHz u-DIMMs		
	Support for up to 64GB of system memory		
	288-pin DDR4 u-DIMM	4	4
Chipset	Intel® Platform Controller Hub (PCH)	H310	Q370
Integrated Graphics	Intel® HD Graphics (By CPU)		
External Graphics	External graphics support provided through the PCIe 3.0 x 16 bus connector		
Audio	Realtek ALC892-CG audio codec for 7.1 ch		
	Front panel microphone / headphone header		
Legacy I/O	Legacy I/O Controller (Nuvoton NCT6683D-T) that provides		
	USB 3.1 Gen 2	2 (USB 3.0)	4
	USB 2.0 Port	4	2
External I/O	Display Port	2	2
	DVI-D	1	1
	J-45 (with integrated status LEDs)	2	2
	6-stack Audio Jack (with S/PDIF)	1	1
Internal I/O	Serial Port header (RS232)	2	4
	USB 3.0 Ports	2	2
	USB 2.0 Ports	2	2
	Audio Header (Front Panel Mic-in / Hp-out)	1	1
	Desktop front panel header	1	1
	2 x 8 pin TPM header	1	1
Expansion Capability	Serial ATA (SATA) 6.0 Gb/s interfaces	4	6
	PCIe 3.0 x 16 (Blue)	1	1
	PCI-E Gen.3 x 8 slot (x 4 lanes) (Black)	1	2
	M.2 Support Socket Type 2280, 2242 (PCI-e x 2)	0	1
Hardware Monitor Subsystem	Hardware monitoring through the Nuvoton NCT6683D-T legacy I/O controller		
	CPU fan header	1	1
	4-pin system fan header	3	3
LAN Support	Intel® I219 Gigabit (10/100/1000 Mb/s) LAN		
	Intel® I210 Gigabit (10/100/1000 Mb/s) LAN		
BIOS	AMI UEFI BIOS Support for Advanced Configuration and Power Interface (ACPI)		
Instantly Available PC Technology	Support for PCI Express Revision 3.0		
Power Requirement	Wake on USB, PCI Express, LAN, serial, PS / 2, and front panel		
Environment	ATX 12V PWR Con (24 + 8 pin)		
	Operating Temperature: 0°C to +55 °C		
	Storage Temperature: -20°C to +70°C		
Safety	CE		
	FCC		
OS Support	Windows® 10 64bit, Linux by request		

MiTAC reserved the right for the specification changes

Ordering Information

SKU NAME	CHIPSET	PCIe x 8	M.2 2242 / 2280	SATA	USB 3.1 Gen 2 / USB 3.0 / USB 2.0	RS232	(Header) USB 3.0 / USB 2.0
SKU-B	H310	1	0	4	0 / 2 / 4	2	2 / 2
SKU-D	Q370	2	1	6	4 / 0 / 2	4	2 / 2

Packing List

- PH10FEU Mainboard
- Driver CD
- Quick Guide