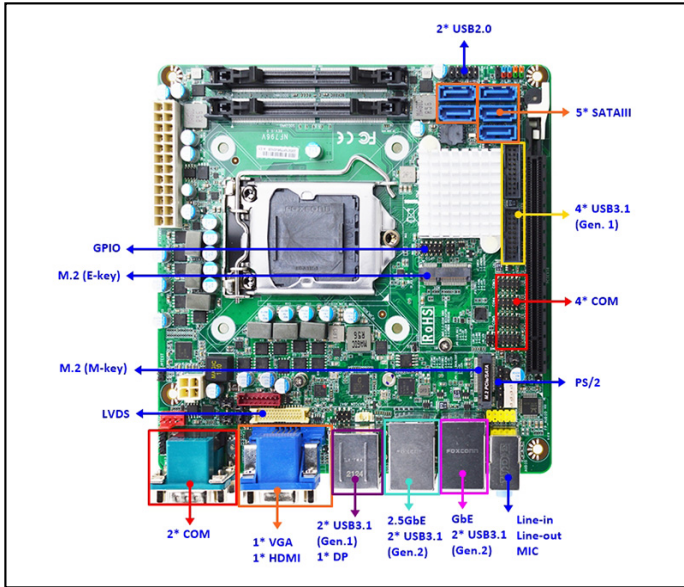


# JNF796V-Q370



Mini-ITX

Mini-ITX motherboard with Intel® 8th/9th Gen Processor, Q370 chipset



## Features

- Powered by Intel® LGA1151 8th Gen Socket Processor (Coffee Lake-S, TDP 65W)
- Triple Display Support: HDMI, DP, VGA, and LVDS for versatile display options.
- Reliable Networking: 1 x GbE and 1 x 2.5GbE Ethernet
- Comprehensive I/O Interfaces: 4 x USB3.2 Gen2, 6 x USB3.2, 2 x USB2.0, and 6 COM Ports
- Storage & RAID Support: 5 SATA III (RAID 0,1,5,10)
- Additional Expansion: 1 PCIe x16, 1 M.2 E-Key, and 1 M.2 M-Key
- Power: ATX (4+24 pin), AT/ATX supported

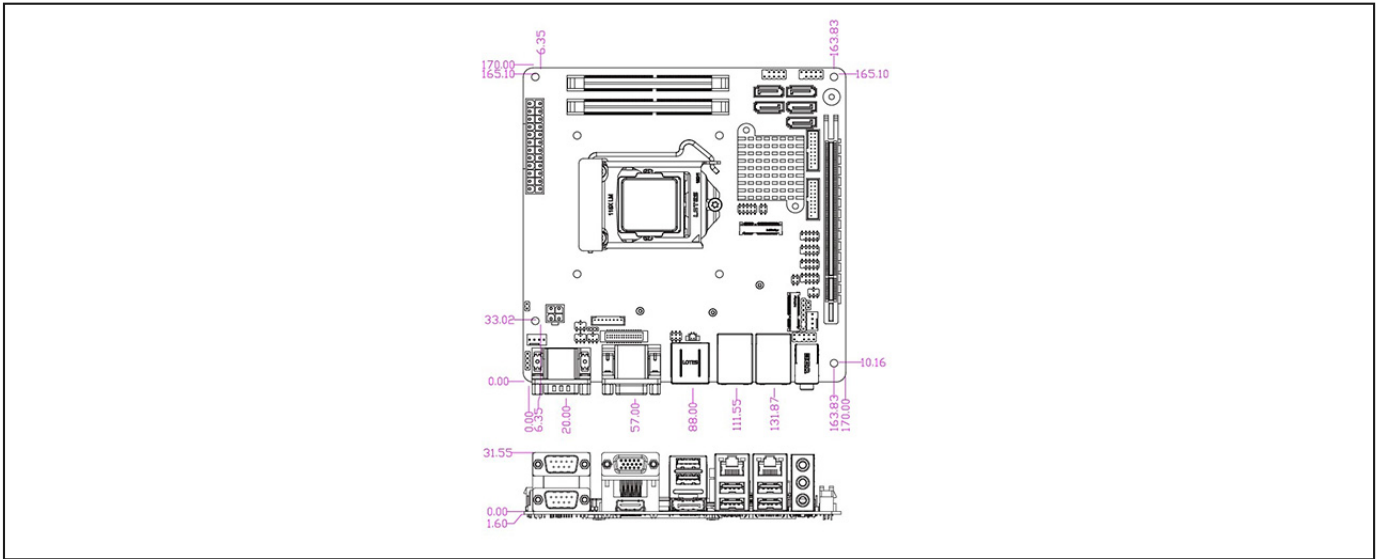
## Packing List

PART NUMBER	DESCRIPTION	QTY
JNF796V-Q370 Series	JNF796V-Q370 M/B	1
F04-MB-073-1F	JNF796 I/O Shield	1
G01-COM-H2M22-1F	COM Cable	2
G01-SATA3-BL-1F	SATA III Cable	2

## Specifications

SYSTEM	
MB FORM FACTOR	Mini-ITX
CPU	Intel® LGA1151 8th Gen Socket Processor (Formerly Coffee Lake-S, TDP 65W)
CHIPSET	Intel® Q370
MEMORY	2 x DDR4 2400/2666MHz Dual Channel SDRAM SO-DIMM up to 64GB
BIOS	AMI 128Mb Flash ROM
WATCHDOG TIMER	255 Levels
SECURITY	TPM2.0
DIMENSION (W X D)	170.0 (W) x 170.0 (D) mm (6.7" x 6.7")
OS SUPPORT	Windows® 11 (64bit) Windows® 10 (64bit) Linux
POWER	
POWER REQUIREMENT	ATX Power Supply
POWER ON MODE	AT / ATX
CONNECTOR	24+4-pin ATX PWR
DISPLAY	
GPU	Intel® HD Graphics
LVDS	1 x LVDS (Max. Resolution: 1920 x 1200 @60Hz)
DP	1 x DP (Max Resolution: 4096 x 2304@60Hz)
HDMI	1 x HDMI 1.4 (Max Resolution: 4096 x 2160@30Hz)
VGA	1 x VGA (Max Resolution: 1920 x 1080 @60Hz)
MULTIPLE DISPLAY	Support 3 Displays
AUDIO	
CODEC	Realtek Audio Codec
Line-in	1 x Audio Jack for Line-In
Line-out	1 x Audio Jack for Line-Out
MIC-in	1 x Audio Jack for MIC-In
LAN	
ETHERNET	1 x RJ45 for Intel® I219-LM GbE 1 x RJ45 for Intel® I226-V 2.5GbE
USB PORT	
USB	4 x USB 3.2 Gen 2x1 (10Gbps, Formerly USB 3.1 Gen 2) 2 x USB 3.2 Gen 1x1 (5Gbps, Formerly USB 3.1 Gen 1) Internal Header for 4 x USB 3.2 Gen 1x1 (5Gbps, Formerly USB 3.1 Gen 1) Internal Header for 2 x USB 2.0
SERIAL PORT	
COM	2 x DB-9 for RS-232/422/485 Internal Header for 4 x RS-232
INTERNAL I/O	
ADDITIONAL	1 x PS/2 1 x LVDS w/ Inverter 1 x Chassis Intrusion 1 x Audio Header
STORAGE	
SATA	5 x SATA III
RAID	RAID 0, 1, 5, 10
EXPANSION	
M.2	1 x M-Key 2242/2280 (SATA/PCIe x4) Support NVMe 1 x E-Key 2230 (USB 2.0/PCIe x1) Support CNVi
PCI-E	1 x PCIe x16
ENVIRONMENT & CERTIFICATION	
SHOCK	15G, 11ms duration
VIBRATION	1 Grms/ 5- 500Hz/ Operation
OPERATING TEMPERATURE	0°C - 60°C (32°F - 140°F)
STORAGE TEMPERATURE	-20°C - 85°C (-4°F - 185°F)
OPERATING HUMIDITY	10 - 90% Relative Humidity, Non-condensing
CERTIFICATION	CE/FCC Class A
ESG DECLARATION	EU RoHS China RoHS REACH

## Dimension Unit: mm



## Ordering Information

PART NUMBER	JNF796V-Q370-A1
CPU	Intel® Socket LGA1151 CPU
POWER REQUIREMENT	ATX Power Supply
GPU	Intel® HD Graphics
LVDS	1 x LVDS
DP	1 x DP
HDMI	1 x HDMI
VGA	1 x VGA
MULTIPLE DISPLAY	Support 3 Displays
ETHERNET	1 x GbE
ETHERNET	1 x 2.5GbE
USB	4 x USB 3.2 Gen 2
USB	6 x USB 3.2
USB	2 x USB 2.0
COM	4 x RS-232
COM	2 x RS-232/422/485
SATA	5 x SATA III
M.2	1 x M-Key 2242/2280
M.2	1 x E-Key 2230
PCI-E	1 x PCI-E x16
OPERATING TEMPERATURE	0°C - 60°C (32°F - 140°F)