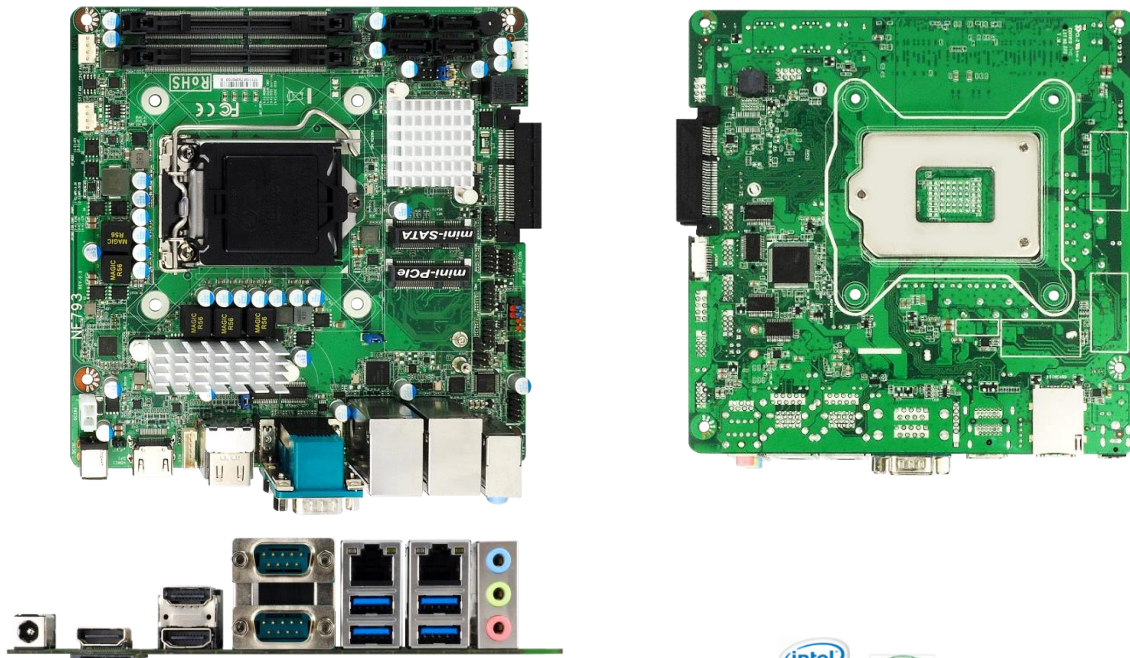




JNF793-Q170

Intel® Q170 Express Chipset Supports Intel LGA 1151 Socket Core™ i3, i5, i7 & Pentium Processors (Max. 65W), DDR4 memory up to 32GB, support 3 * 4K HDMI display output power input



Overview



The JETWAY JNF793-Q170 is Mini-ITX form factor board adopts the Intel® 6th & 7th generation Core i7/i5/i3, Pentium and Celeron Processor. The board supports two SO-DIMM DDR4 2133Mhz memory, up to 32GB. Featuring the integrated Intel® Gigabit Ethernet controller, the JNF793-Q170 offers two 10/100/1000Base-TX Ethernet devices for network transmission. Four SATAIII (6Gb/s) interface and one mSATA offer storage devices. One Mini PCIe interface, four USB3.0 ports, two USB2.0 ports and six COM ports provide versatile expansion. The PCIex4 side-slot can connect with Jetway expansion card, e.g. 4* GbE expansion ports. The JNF793-Q170 offers three independent HDMI interfaces which can support Max. 4K@24Hz resolution. Because of the above features, JNF793-Q170 is one of the best selections for digital signage applications.

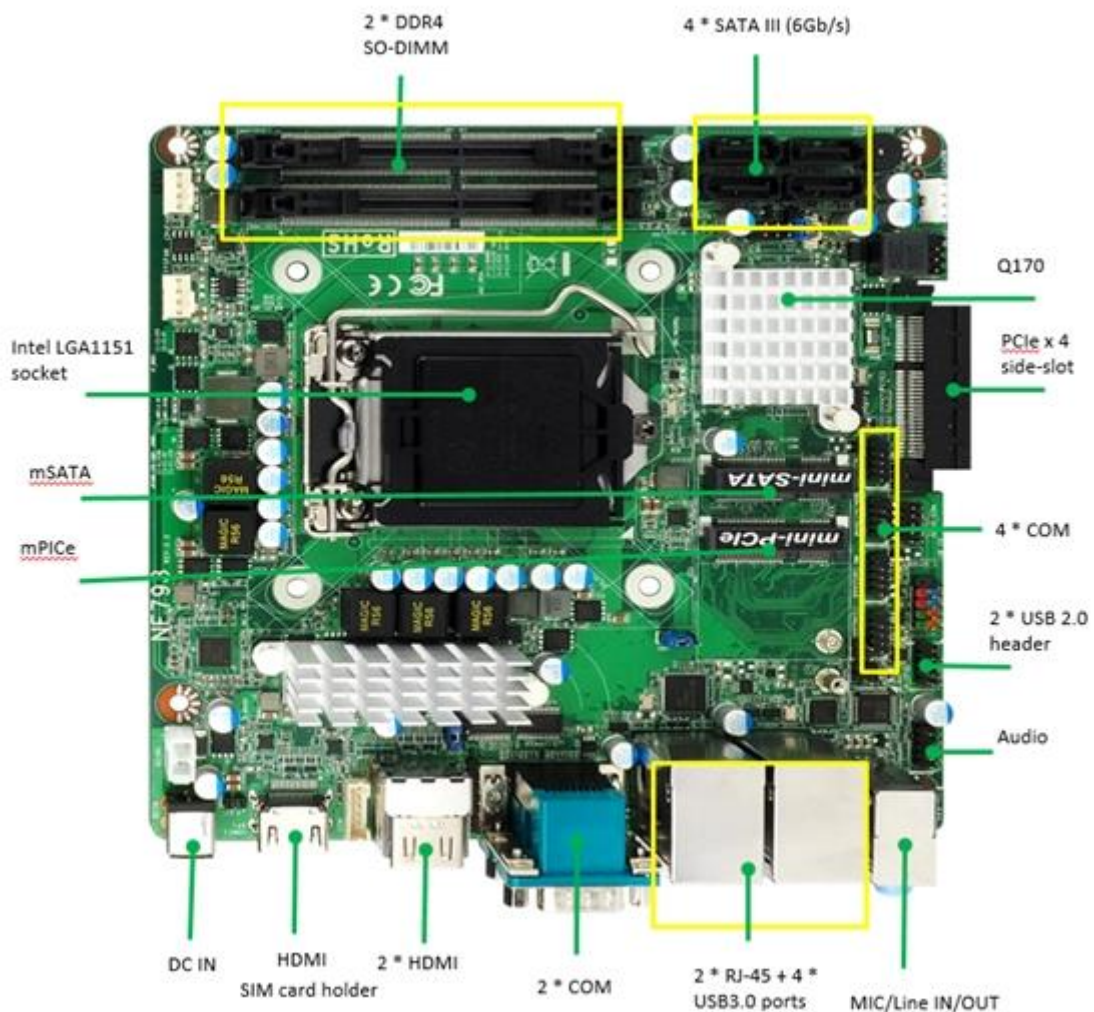
Features

1. Intel Core i7/i5/i3/ Pentium/Celeron desktop processor (LGA 1151) with Intel Q170 chipset
2. 2 * DDR4 SO-DIMM Up to 32GB
3. 2* 10/100/1000 Base-TX Ethernet Ports
4. Support 3 * HDMI or 2 * HDMI + 1 * DP display
5. 6 * COM, 4 * USB3.0 & 2 * USB2.0
6. 1 * PCIe x4 side-slot, 1* Mini PCIe slot (1* half size), 1 * mSATA
7. Support 4 * SATA III (6Gb/s)
8. 9 ~ 24V DC-in Power

Application

- Digital Signage

Internal Diagram



Specifications

Form Factor

Dimensions - Mini-ITX (6.7-in * 6.7-in, 170 * 170mm)

Processor System

CPU - Intel LGA 1151 Socket Core i7 / i5 / i3 / Pentium / Celeron Processor (TDP 65W)

Core Number - (by CPU)

Max Speed - (by CPU)

L2 Cache - (by CPU)

Chipset - Intel Q170 Express chipset

BIOS - AMI 128Mb Flash ROM

Expansion Slot

PCI - 0

Mini-PCIe - 1 (half size)

mSATA - 1 (full size)

PCIe - 1 (PCIex4 side-slot, 4 * PCIex1 combo signals)

M.2 - 0

CFast Card Socket - 0

CF Card Socket - 0

SIM Card Holder - 1

Memory

Technology - Dual Channel DDR4 2133MHz SDRAM

Max. - 32GB

Socket - 2 * SO-DIMM

Graphics

Controller - Intel® HD Graphics

VRAM - Shared Memory

VGA - 0

LVDS - 0

eDP 1.3 - 0

HDMI 1.4 - 3 (Max Resolution : 4096x2304@24Hz)

DVI-D - 0

DisplayPort - 1 (optional, shared with one HDMI, Max. Resolution: 4096*2304@60Hz)

MultiDisplay - Triple Displays

Ethernet

Ethernet	- 10/100/1000 Mbps
Controller	- Intel i219LM + i211AT GbE
Connector	- 2 * RJ45
Audio	
CODEC	- HD Audio : Realtek ALC662VD
Channel	- 6 CH (Line-in, Line-out, MIC)
SATA	
SATA	- 4 * SATAIII
Rear I/O	
VGA	- 0
DVI-D	- 0
HDMI	- 3 (1 * shared with DP)
DisplayPort	- 1 (optional, shared with HDMI)
Ethernet	- 2
USB	- 4 * USB 3.0
Audio	- 1 (Line-in, Line-out, MIC)
Serial	- 2 (COM1/2: RS232/422/485)
eSATA	- 0
PS/2	- 0
DC-input	- 1
Internal Connector	
USB	- 2 * USB 2.0
PS/2	- 1
LVDS / inverter	- 0
eDP	- 0
VGA	- 0
Serial	- 4
SATA	- 4 * SATAIII
mPCIe	- 1 (half size)
Parallel	- 0
mSATA	- 1
M.2	- 0
GPIO	- 1 (8 bit)
Chassis intrusion	- 1
Audio Header	- 1
SMBUS/ I2C	- 1

AT mode	- 1
TPM	- 1 (on board option)
Other	- 0
Watchdog Timer	
Output	- From Super I/O to drag RESETCON#
Interval	- 256 segments (10sec ~ 255min)
Power Requirements	
Input PWR	- 9V ~ 24V DC-in
Power On	AT/ATX Supported - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready
Certifications	
Certifications	- CE, FCC, LVD, RoHS, REACH
Environment	
Temperature	- Operating: 0°C ~ 60°C
	- Storage: -20°C ~ 85°C
Warranty	
Warranty	- 2 Years Limited Warranty
Packing	
Packing	- Net Weight: - Gross Weight: - Color Box dimension:

*Specifications subject to change without notice, not responsible for typographical errors. Does not include HDD or OS.

Accessories

Part Number	Description
	JNF793 M/B
F04-MB-062-F	I/O shield
G01-COM-H2M20-1F	COM cable
G01-PW4PS-2S-323F	SATA Power cable
G01-SATA3-BL-1F	SATA cable

Mechanical Drawings (Unit = mm)

