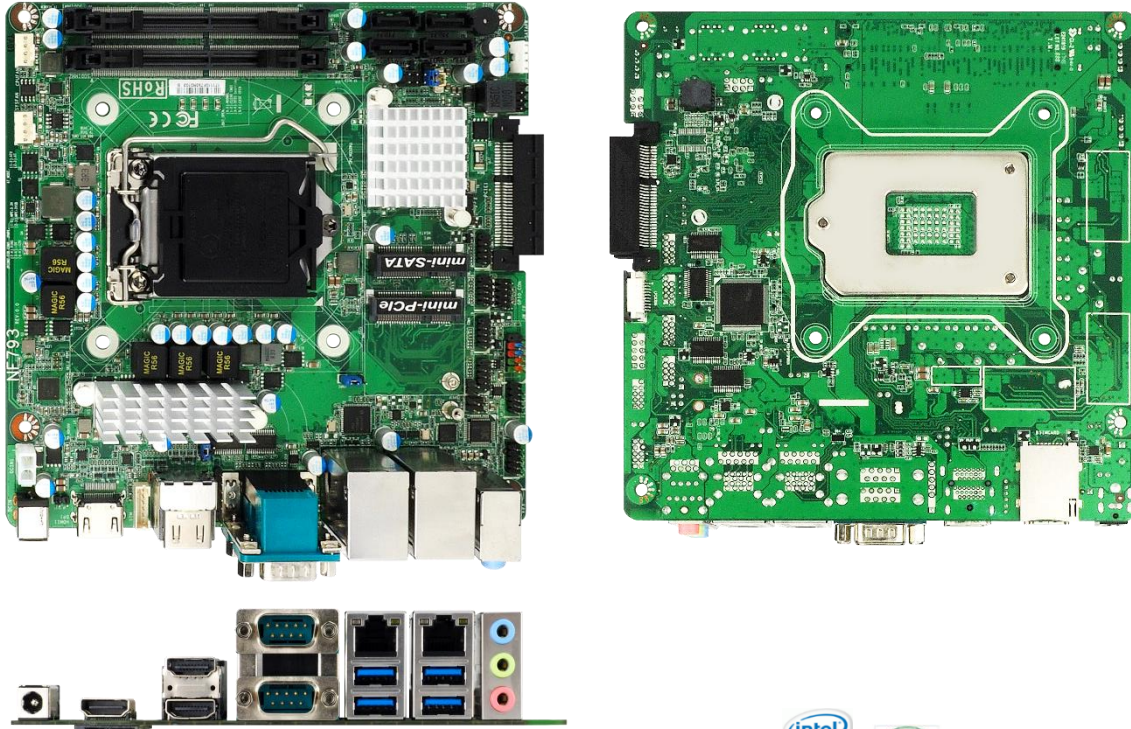




JNF793 Series

Mini-ITX Embedded Motherboard with Intel® Skylake / Kabylake Processor, DDR4 up to 32GB, support 3 * 4K HDMI display output



Overview



The JETWAY JNF793 series are Mini-ITX form factor board adopts the Intel® 6th & 7th generation Core i7/i5/i3, Pentium and Celeron Processor. The board supports two SODIMM DDR4 2133Mhz memory, up to 32GB. Featuring the integrated Intel® Gigabit Ethernet controller, the JNF793 offers two 10/100/1000Base-TX Ethernet devices for network transmission. Three/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 offers three independent HDMI interfaces which can support max. 4K@24Hz resolution. Because of the above features, JNF793 is one of the best selections for digital signage applications.

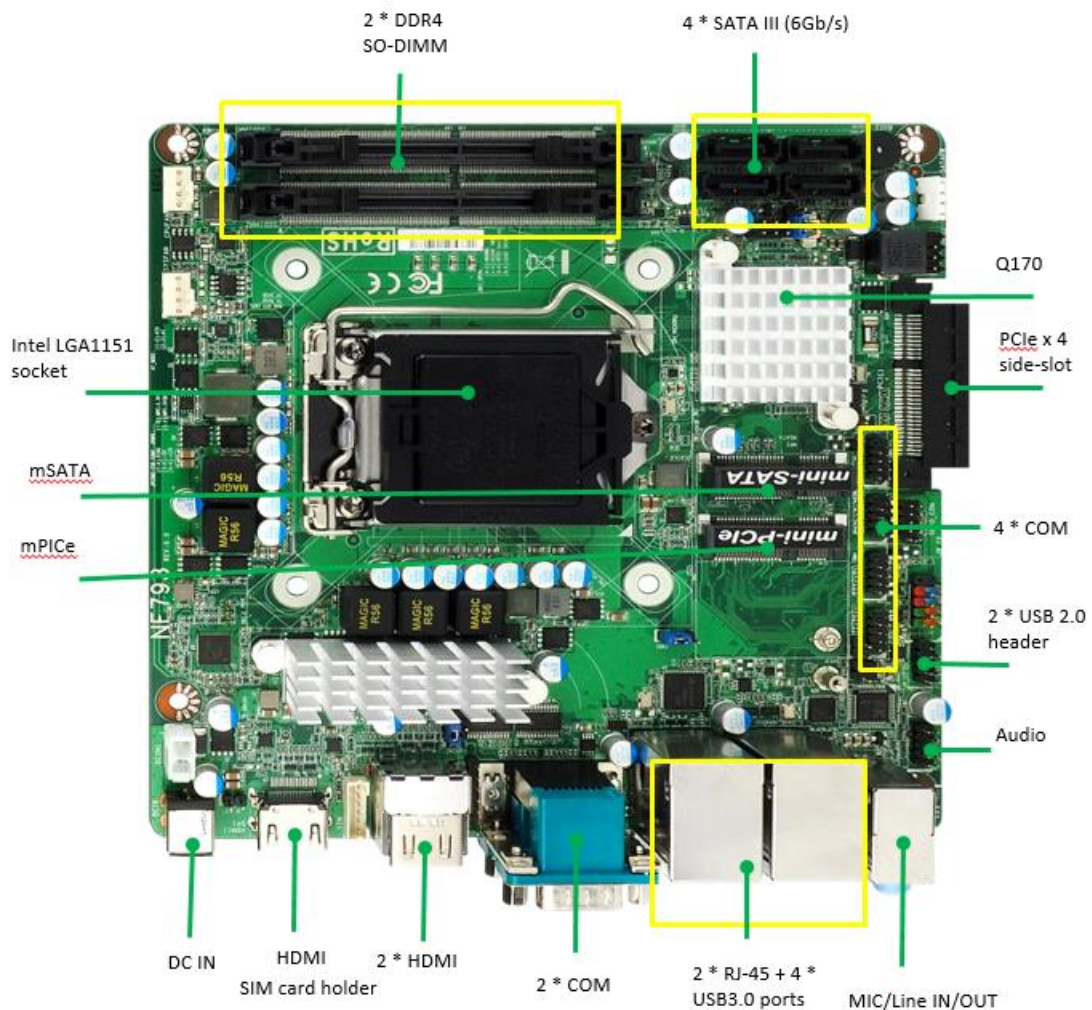
Features

1. Intel® Skylake/Kabylake Processor (TDP 65W).
2. 2 * DDR4 SODIMM Up to 32 GB
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 3/4 * SATA III (6Gb/s)
8. 9 ~ 24V DC-IN

Application

- Digital Signage

Internal Diagram



Specifications

Form Factor

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

CPU	- Intel® LGA1151 SKylake/Kabylake Processor (TDP 65W)
Core Number	- (by CPU)
Max Speed	- (by CPU)
L2 Cache	- (by CPU)
Chipset	- Q170 / H110
BIOS	- AMI Flash ROM

Expansion Slot

PCI	- 0
Mini-PCIe	- 1 (half size)
mSATA	- 1
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 CH DDR4 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 HDMI)
MultiDisplay	- Triple Displays

Ethernet

Ethernet	- 10/100/1000 Mbps
Controller	- 2 * Intel Gigabit LAN

Connector	- 2 * RJ 45
Audio	
CODEC	- HD Audio : Realtek ALC662VD
Channel	- Line-In, Line-Out, MIC
SATA	
Max Data Transfer Rate	- 4 * SATAIII (for Q170) - 3 * SATAIII (For H110)
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 (for Q170) or 3 * SATAIII (for H110)
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 Header	- 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.

Optional Accessories

Part Number	Description
	JNF793 M/B
	JNF793 I/O shield
G03-NF793-F	IPC JNF793 User's Manual
G02-DVD25-A1-WF	CD Driver
G01-COM-H2M20-1F	COM cable
G01-PW4PS-2S-323F	SATA Power cable
G01-SATA3-BL-1F	SATA cable

Mechanical Drawings (Unit = mm)

