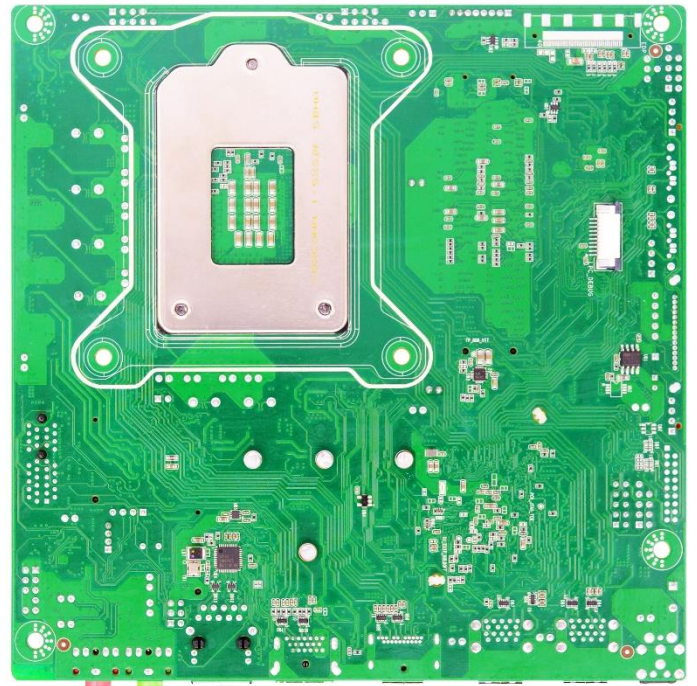
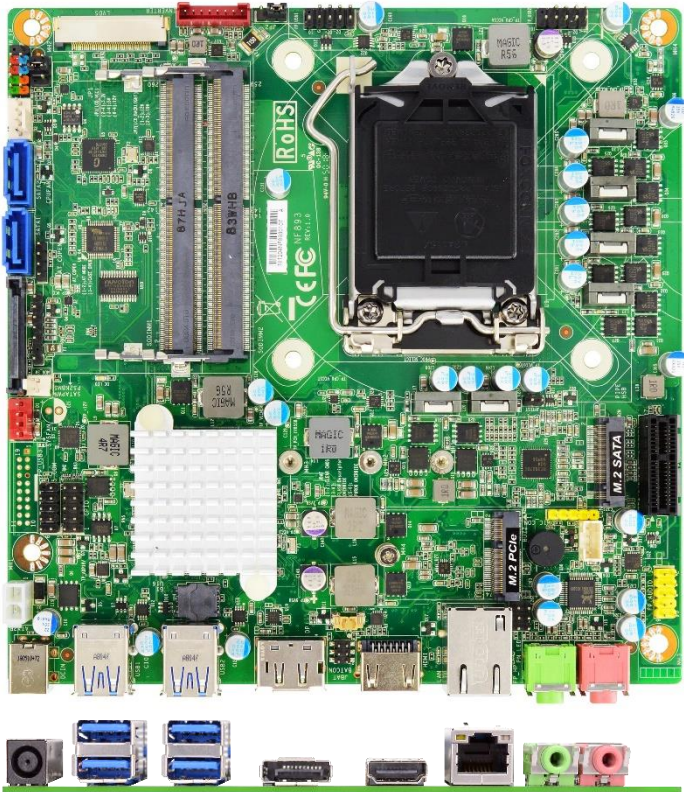


JNF893-H310

Thin Mini-ITX Embedded Motherboard support Intel 8th Generation Core™ i7/ i5 /i3, Pentium® LGA1151 Socket Processor, DDR4 Memory up to 64GB. Support 8 USB ports



Overview



The JETWAY JNF893-H310 is Thin Mini-ITX form factor board adopts the Intel® 8th generation Core i7/i5/i3, Pentium and Celeron Processor. The board supports DDR4 2400/2666Mhz SODIMM memory up to 64GB. Featuring the integrated Intel® i219-V Gigabit Ethernet controller. Two SATAIII (6Gb/s) ports and one M.2 (M-key, 2242/2260/2280) offer storage devices. One M.2 (E-key, 2230), four USB3.1 ports, four USB2.0 ports and one COM port provide versatile expansion. The JNF893-H310 offers one HDMI1.4 port, one DP port and one LVDS (option with eDP) which can support 2 independent displays. Because of the above features, JNF893-H310 is one of the best selections for KIOSK and AIO applications.

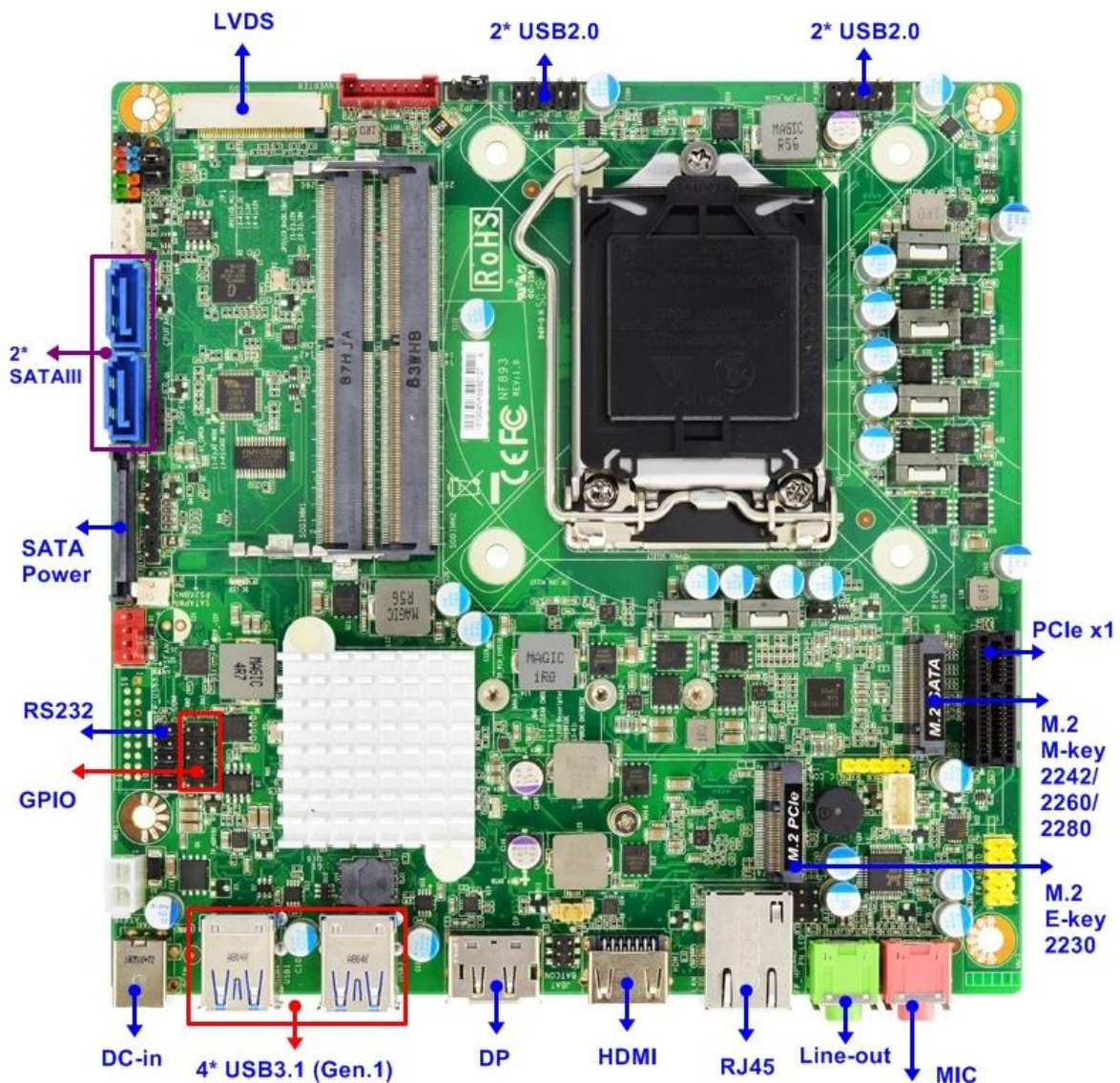
Features

1. Support Intel® 8th LGA 1151 Socket Core
i7/i5/i3/Pentium/Celeron Processor (Max. 65W TDP)
2. 2 * DDR4 2400/2666MHz SODIMM memory up to
64GB
3. Support 1 * HDMI + 1 * DP + 1* LVDS (option
with eDP)
4. 1 * COM, 4 * USB3.1 & 4 * USB2.0
5. 1 * PCIe x1 slot, 1 * M.2 (E-key, 2230), 1
* M.2 (M-key, 2242/2260/2280)
6. Support 2 * SATA III (6Gb/s)
7. 19V DC-in Power

Application

- Digital Signage
- All-in-One PC
- KIOSK

Internal Diagram



Specifications

Model	JNF893 – H310
Form Factor	
Dimensions	- Thin Mini-ITX (6.7-in * 6.7-in, 170 * 170mm)
Processor System	
CPU	- Intel® 8th LGA 1151 Socket Core i7/i5/i3/Pentium/Celeron Processor (Max. 65W TDP)
Core Number	- (by CPU)
Max Speed	- (by CPU)
L2 Cache	- (by CPU)
Chipset	- Intel H310 Express chipset
BIOS	- AMI 128Mb Flash ROM
Expansion Slot	
PCIe	- 1 * PCIe x1
M.2	- 1 (E-key, 2230) - 1 (M-key, 2242/2260/2280 SATA interface)
Memory	
Technology	- Dual CH DDR4 2400/2666MHz SDRAM
Max.	- 64GB
Socket	- 2 * SO-DIMM
Graphics	
Controller	- Intel® HD Graphics
VRAM	- Shared Memory
LVDS	- 1 (Max. Resolution: 1920 x 1200@60Hz) (default, option with eDP)
eDP 1.3	- 1 (Max. Resolution: 4096 x 2304@60Hz) (option with LVDS)
HDMI 1.4	- 1 (Max. Resolution: 4096 x 2160@30Hz)
DisplayPort	- 1 (Max. Resolution: 4096x2304@60Hz)
Multi Display	- Dual Displays
Ethernet	
Ethernet	- 10/100/1000 Mbps
Controller	- 1* Intel® i219V GbE
Connector	- 1* RJ45
Audio	
CODEC	- HD Audio: Realtek ALC662VD
Channel	- 4 Channel (Line-out, MIC) W/3W Amplifier
SATA	
Max Data Transfer Rate	- 2* SATAIII (6.0Gb/s)
Rear I/O	

HDMI	- 1
DisplayPort	- 1
Ethernet	- 1
USB	- 4 * USB 3.1 (Gen.1)
Audio	- 2 (Line-out, MIC)
DC-input	- 1* 19V DC-in jack
Internal Connector	
USB	- 4* USB 2.0
PS/2	- 1
LVDS / inverter	- 1 (default, option with eDP)
eDP	- 1 (option with LVDS)
Serial	- 1* RS232
SATA	- 2* SATAIII (6.0Gb/s)
M.2	- 1 (E-key, 2230) - 1 (M-key, 2242/2260/2280 SATA interface)
GPIO	- 1 (8 bit)
Chassis intrusion	- 1
Audio Header	- 1
Speaker	- 1* 3W 4-pin speaker
AT mode	- Yes
TPM 2.0	- Yes (on board option)
Others	- 0
Watchdog Timer	
Output	- From Super I/O to drag RESETCON#
Interval	- 256 segments, 10sec...255min
Power Requirements	
Input PWR	- 19V DC-in jack
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, RoHS, REACH
Environment	
Temperature	- Operating: 0°C ~ 60°C (with 0.7m/s air flow)
	- Storage: -20°C ~ 85°C
Warranty	
Warranty	- 2 Years Limited Warranty

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

Accessories

Part Number	Description
	JNF893 M/B
F04-MB-047-F	I/O Shield
F04-MB-048-F	Thin I/O Shield

Mechanical Drawings (Unit = mm)

