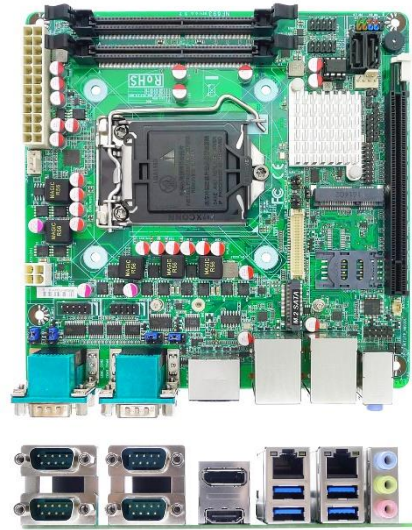


JNF693-H110

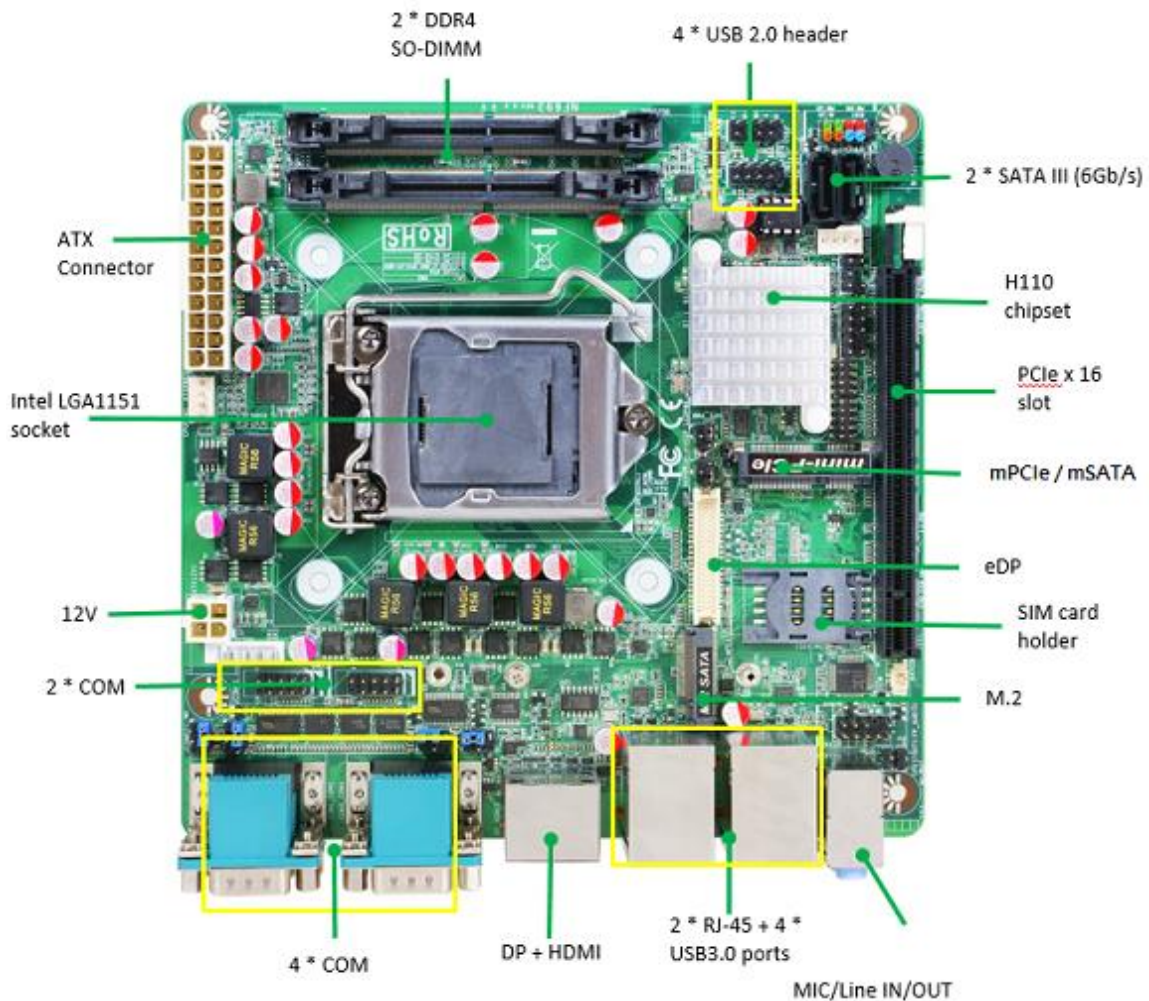
Features

1. Intel® LGA1151 Socket Core i3, i5, i7 & Pentium Processors (Max. 65W)
2. Intel H110 Express Chipset
3. Support Dual Channel DDR4 2133MHz, 2 * SO-DIMM slot, up to 32GB memory
4. Realtek ALC662VD 6-Channel HD Audio
5. 2 * Realtek RTL8111G GbE
6. Support 2 * SATAIII (6Gb/s), 1 * mPCIe/mSATA and 1 * M.2 (M-key, 2242/2260)
7. Support HDMI/DP/eDP, dual displays
8. 4 * External RS232, 1 or 2 Internal COM (COM5 option RS232 or RS232/RS422/RS485)
9. 4 * External USB3.0 & 4 * Internal USB1.1/2.0
10. 1 * PCIe x16 slot
11. 1 * SIM Card Holder



intel. FC CE RoHS COMPLIANT

I/O Diagram



Specifications

Model	<ul style="list-style-type: none"> JNF693-H110
Form Factor	<ul style="list-style-type: none"> Mini-ITX (6.7-in * 6.7-in, 170 * 170mm)
Processor System	<ul style="list-style-type: none"> Intel LGA 1151 Socket Core i7 / i5 / i3 & Pentium Processors Intel H110 Express Chipset AMI 64Mb Flash ROM
Memory	<ul style="list-style-type: none"> 2* Dual Channel DDR4 2133MHz SO-DIMM up to 32GB
Storage	<ul style="list-style-type: none"> 2* SATAIII (6 Gb/s) 1* M.2 M-key (2242/2260)
Expansion	<ul style="list-style-type: none"> 1* Mini-PCIe (Full size, co-lay with mSATA) 1* mSATA (Full size, co-lay with Mini-PCIe) 1* PCIe x16 1* SIM card holder
Ethernet	<ul style="list-style-type: none"> 2* Realtek RTL8111G GbE
Graphics	<ul style="list-style-type: none"> Intel® Gen9 Graphics supports DX 11/12, OGL4.3 / 4.4, shared memory 1* DP (Max Resolution: 4096*2304@60Hz) 1* HDMI (Max Resolution: 4096*2160@24Hz) 1* eDP (Max. Resolution: 4096*2304@60Hz) Support Triple Displays
Audio	<ul style="list-style-type: none"> HD audio: Realtek ALC662VD
Watchdog Timer	<ul style="list-style-type: none"> From Super I/O to drag RESETCON# 256 segments (10sec ~ 255min)
Internal I/O	<ul style="list-style-type: none"> 4* USB2.0 1* eDP 2* COM (COM5 option RS232 or RS232/422/485) 2* SATA 1* Mini-PCIe (Full size, co-lay with mSATA) 1* mSATA (Full size, co-lay with Mini-PCIe) 1* M.2 M-key (2242/2260) 1* SIM card holder 1* Chassis intrusion 1* PS/2 1* GPIO (8 bit programmable inputs/outputs) 1* SMBUS/I2C 1* Audio Header 1* AT mode
External I/O	<ul style="list-style-type: none"> 1* DP 1* HDMI 2* RJ45 4* USB3.0 3* Audio jack (Line-in, Line-out, MIC) 4* COM (COM1 support RS232/422/485)
Power	<p>4 + 24 pin ATX PWR, AT/ATX Supported</p> <ul style="list-style-type: none"> - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready
Compliance	CE, FCC, LVD, RoHS, REACH
Temperature	<ul style="list-style-type: none"> Operating Temperature: 0 ~ 60° C Storage Temperature: -20 ~ 85° C Humidity: 10% ~ 90% RH @40°C (non-condensing)
Warranty	<ul style="list-style-type: none"> 2 Years limited warranty

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

Standard Accessories

Part Number	Description
-----	JNF693 M/B
F04-MB-052-F	I/O shield
G01-SATA3-BL-1F	2* SATA cable