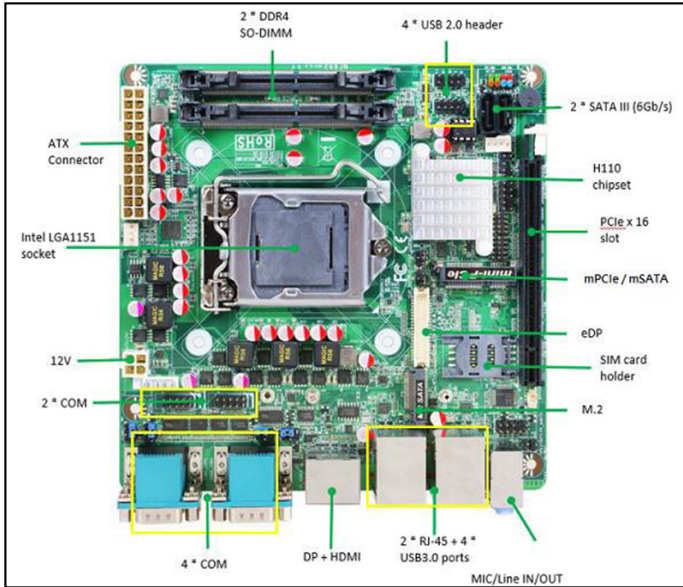


Mini-ITX Motherboard with Intel® LGA1151 Socket Processors and H110 Express Chipset



## Features

- Powered by Intel® LGA1151 Socket Core i3, i5, i7 & Pentium Processors (Max. 65W) with Intel H110 Express Chipset
- Dual Channel DDR4 SO-DIMM slots, up to 32GB
- Dual Display Support: HDMI, DP, and eDP for versatile display configurations
- Reliable Networking: Dual GbE LAN for high-speed connections
- Storage and Expansion: 2 x SATA III, 1 x M.2 M-key, 1 x mPCIe/mSATA, and 1 SIM Card Slot
- Additional Expansion Capabilities: 1 x PCIe x16 slot
- Comprehensive I/O: 6 x COM, 4 x USB 3.0, and 4 x USB 2.0

## Packing List

PART NUMBER	DESCRIPTION	QTY
JNF693 Series	JNF693 M/B	1
F04-MB-052-F	I/O Shield	1
G01-SATA3-BL-1F	SATA Cable	2

## Specifications

SYSTEM	
MB FORM FACTOR	Mini-ITX
CPU	Intel® LGA1151 6th/7th Gen Socket Processor (Formerly Skylake/Kaby Lake, TDP 65W)
CHIPSET	Intel® H110
MEMORY	2 x DDR4 2133MHz, Dual Channel SO-DIMM, up to 32GB
BIOS	AMI 64Mb 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) Windows® 8 / 8.1 (64bit) Windows® 8 / 8.1 (32bit) Windows® 7 (64bit) Windows® 7 (32bit) Linux
POWER	
POWER REQUIREMENT	ATX Power Supply
POWER ON MODE	AT / ATX
CONNECTOR	24+4-pin ATX PWR
DISPLAY	
GPU	Intel® Gen9 Graphics supports DX 11/12, OGL4.3 / 4.4
eDP	1 x eDP (Max Resolution: 4096 x 2304@60Hz)
DP	1 x DP (Max Resolution: 4096 x 2304@60Hz)
HDMI	1 x HDMI (Max Resolution: 4096 x 2160@24Hz)
MULTIPLE DISPLAY	Support 2 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	2 x RJ45 for Realtek® RTL8111H GbE
USB PORT	
USB	4 x USB 3.0 Internal Header for 4 x USB 2.0
SERIAL PORT	
COM	4 x DB-9 for RS-232/422/485 2 (COM5 option RS-232 or RS-232/422/485)
INTERNAL I/O	
GPIO	8-Bit
SMBUS	Yes
STORAGE	
ADDITIONAL	1 x Chassis intrusion 1 x PS/2 1 x Audio Header 1 x eDP
SATA	2 x SATA III
MINI PCI-E	1 x Full Size Mini-PCIe
mSATA	1 x Full Size mSATA
EXPANSION	
M.2	1 x M-Key 2242/2260
PCI-E	1 x PCIe x16
SIM	1 x SIM Card Slot
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% @ 40°C, Non-condensing
CERTIFICATION	CE/FCC Class A
ESG DECLARATION	EU RoHS China RoHS REACH

## Ordering Information

PART NUMBER	JNF693-H110	JNF693T2-H110
CPU	Intel® Socket LGA1151 CPU	Intel® Socket LGA1151 CPU
SECURITY		TPM2.0
POWER REQUIREMENT	ATX Power Supply	ATX Power Supply
GPU	Intel® UHD Graphics	Intel® UHD Graphics
eDP	1 x eDP	1 x eDP
DP	1 x DP	1 x DP
HDMI	1 x HDMI	1 x HDMI
MULTIPLE DISPLAY	Support 2 Displays	Support 2 Displays
ETHERNET	2 x GbE	2 x GbE
USB	4 x USB 3.0	4 x USB 3.0
USB	4 x USB 2.0	4 x USB 2.0
COM	4 x RS-232	4 x RS-232
COM	1 x RS-232/422/485	1 x RS-232/422/485
COM	1 x RS-232	1 x RS-232
SATA	2 x SATA III	2 x SATA III
M.2	1 x M-Key 2242/2260	1 x M-Key 2242/2260
PCI-E	1 x PCI-E x16	1 x PCI-E x16
SIM	1 x SIM Card Slot	1 x SIM Card Slot
OPERATING TEMPERATURE	0°C - 60°C (32°F - 140°F)	0°C - 60°C (32°F - 140°F)