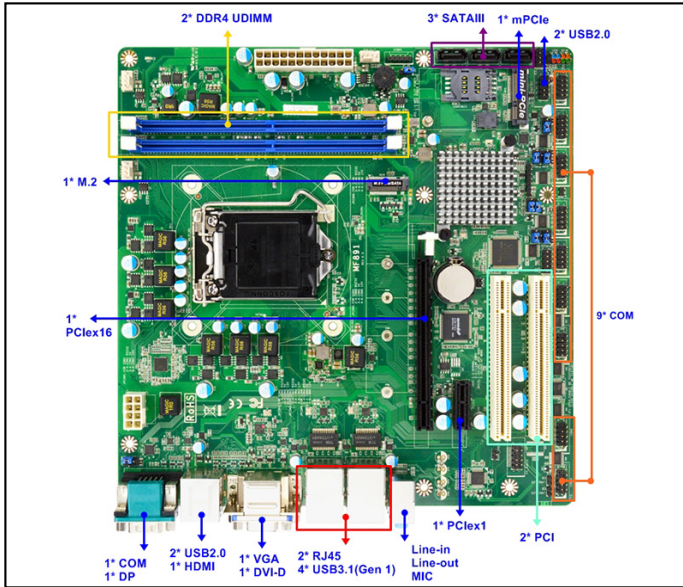


JNMF891-H310



Micro-ATX

Micro-ATX Embedded Motherboard with Intel® 8th/9th Gen LGA1151 Socket Processor CPUs and H310 Chipset



Features

- **Memory:** Dual Channel DDR4 2666MHz, 2 UDIMM slots, up to 64GB
- **Networking:** 2 Realtek Gigabit LAN (RTL8111H)
- **Storage:** 3 SATA III (6Gb/s), 1 M.2 (M-key, 2242/2260/2280/22110, SATA Interface)
- **USB Ports:** 4 USB 3.1 Gen 1, 4 USB 2.0
- **COM Ports:** 10 COM ports (COM1/2 support RS232/422/485)
- **Advanced Expansion:** 2 PCI slots, 1 PCIe x16 slot, 1 PCIe x1 slot, 1 Mini PCIe slot, and 1 SIM card slot.
- **Security:** Supports TPM 1.2/2.0 onboard option

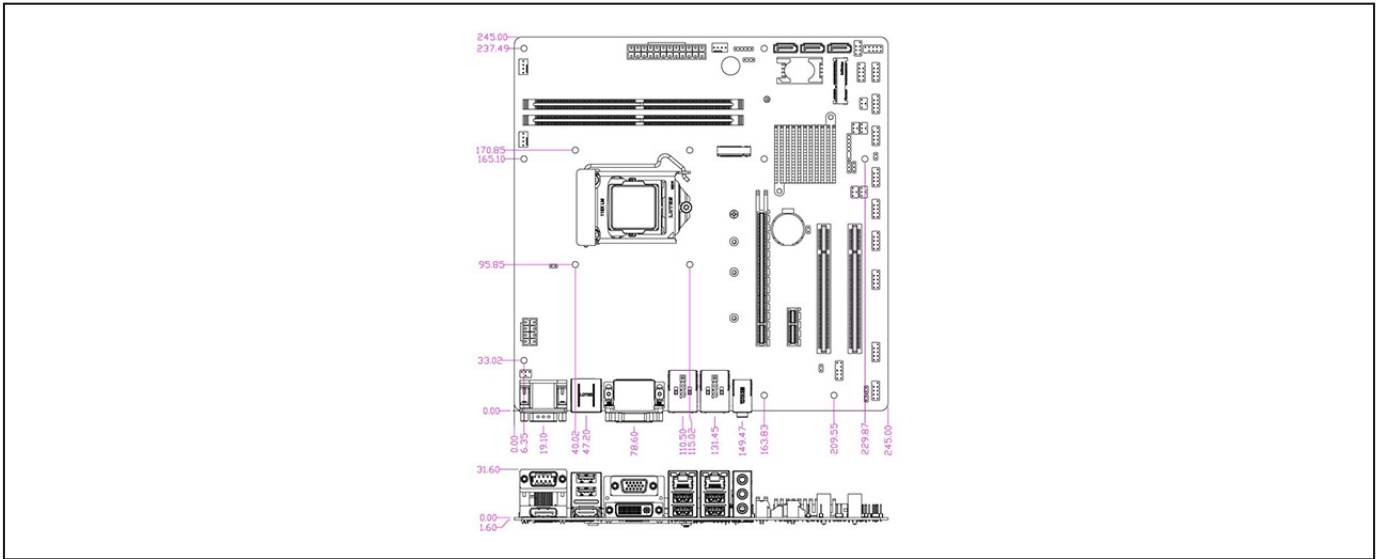
Packing List

PART NUMBER	DESCRIPTION	QTY
JNMF891 Series	JNMF891 M/B	1
G01-SATA3-BL-1F	SATA Cable	2
G01-COM9X3-30A-2F	COM Cable	2
G01-COM9-30A-1F	COM Cable	2
F04-MB-007-3F	I/O Shield	1

Specifications

SYSTEM	
MB FORM FACTOR	Micro-ATX
CPU	Intel® LGA1151 8th Gen Socket Processor (Formerly Coffee Lake-S, TDP 65W)
CHIPSET	Intel® H310
MEMORY	2 x DDR4 2666MHz UDIMM, up to 64GB
BIOS	AMI 64Mb Flash ROM
WATCHDOG TIMER	255 Levels
SECURITY	TPM1.2/2.0 (Optional)
DIMENSION (W X D)	244.0 (W) x 244.0(D) mm (9.6" x 9.6")
OS SUPPORT	Windows® 11 (64bit) Windows® 10 (64bit) Linux
POWER	
POWER REQUIREMENT	ATX Power Supply
POWER ON MODE	AT / ATX
CONNECTOR	Internal 24+8-pin ATX Header
DISPLAY	
GPU	Intel® HD Graphics
MIPi-DSI	1 x DVI-D (Max. Resolution: 1920 x 1200@60Hz)
DP	1 x DP (Max Resolution: 4096 x 2304@60Hz)
HDMI	1 x HDMI (Max Resolution: 4096 x 2160@30Hz)
VGA	1 x VGA (Max Resolution: 1920 x 1080 @60Hz)
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 3.2 Gen 1x1 (5Gbps, Formerly USB 3.1 Gen 1) 2 x USB 2.0 Internal Header for 2 x USB 2.0
SERIAL PORT	
COM	1 x DB-9 for RS-232/422/485 Internal Header for 9 x RS-232/422/485
INTERNAL I/O	
GPIO	8-Bit
SMBUS	Yes
ADDITIONAL	1 x Chassis intrusion 1 x PS/2 1 x Audio Header
STORAGE	
SATA	3 x SATA III
MINI PCI-E	1 x Full Size Mini-PCIe
EXPANSION	
M.2	1 x M-key 2242/2260/2280/22110 (SATA Interface)
PCI-E	1 x PCIe x16 1 x PCIe x1 2 x PCI
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

Dimension Unit: mm



Ordering Information

PART NUMBER	JNMF891-H310
CPU	Intel® Socket LGA1151 CPU
SECURITY	TPM1.2/2.0
POWER REQUIREMENT	ATX Power Supply
GPU	Intel® UHD Graphics
MIPI-DSI	1 x DVI-D
DP	1 x DP
HDMI	1 x HDMI
VGA	1 x VGA
MULTIPLE DISPLAY	Support 2 Displays
ETHERNET	2 x GbE
USB	4 x USB 3.2
USB	4 x USB 2.0
COM	2 x RS-232/422/485
COM	8 x RS-232
SATA	2 x SATA III
MINI PCI-E	1 x Full mini PCIe
M.2	1 x M-Key 2242/2260/2280/22110
PCI-E	1 x PCIe x16
PCI-E	1 x PCIe x1
PCI-E	2 x PCI
SIM	1 x SIM Card Slot
OPERATING TEMPERATURE	0°C - 60°C (32°F - 140°F)