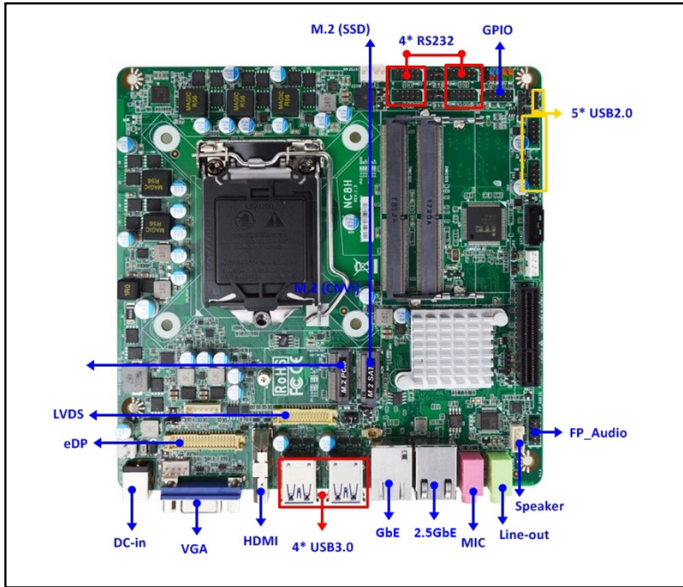


JNC8HV-IH310



Mini-ITX

Mini-ITX Motherboard with Intel® 8th/9th Gen CPU, H310 Chipset, Dual LAN, and 12–24V DC-in Support



Features

- Powered by Intel® 8th/9th Gen LGA1151 Socket Processor (Coffee Lake, Max 65W)
- Versatile Display Support: HDMI, VGA, and eDP (co-layout LVDS)
- High-Performance Memory: Dual Channel DDR4, up to 64GB
- Dual Networking: 1 x GbE, 1 x 2.5GbE for fastreliable connections
- Comprehensive I/O: 4* RS232, 4* USB3.0, 5* USB2.0
- Storage & Expansion: 1 x SATA III, 1 x M.2 M-key, 1 x M.2 E-key, and 1x PCIe x4
- Wide Voltage Power Input: 12–24V DC-in for industrial applications

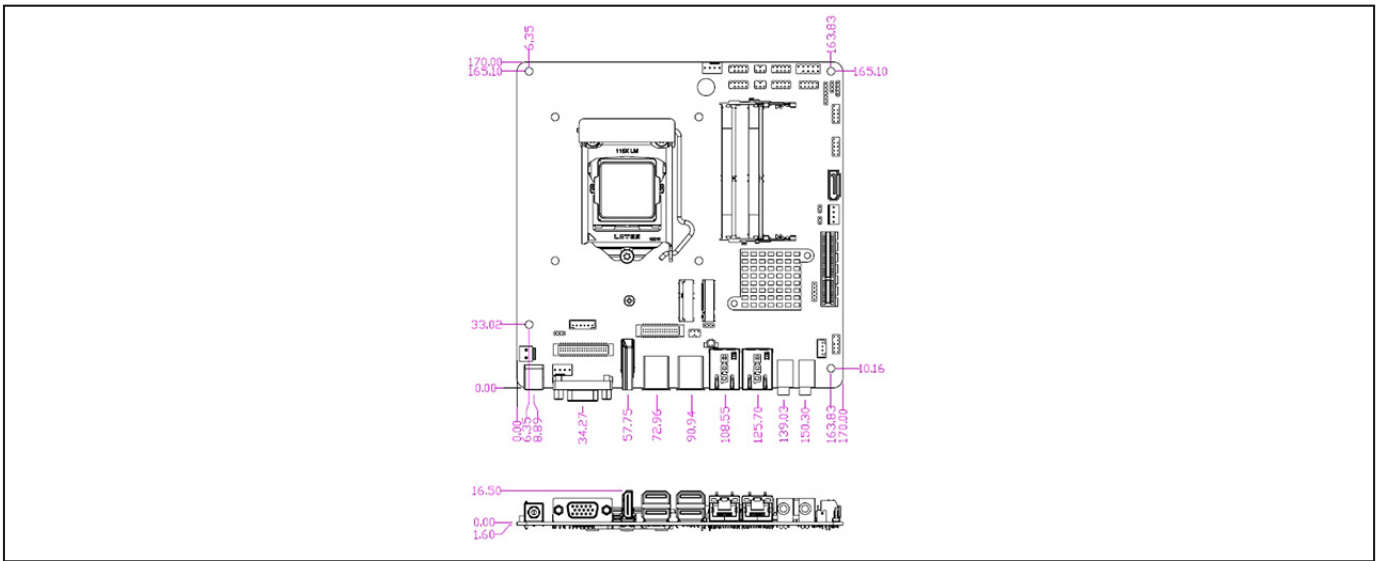
Packing List

PART NUMBER	DESCRIPTION	QTY
JNC8HV-IH310	JNC8HV-IH310 M/B	1
G01-SATA3-BL-1F	Cable for SATA III 50cm	1
G01-COM-H2M22-1F	COM Cable	2
F04-MB-075-F	I/O Shield	1

Specifications

SYSTEM	
MB FORM FACTOR	Thin Mini-ITX
CPU	Intel® LGA1151 8th Gen Socket Processor (Formerly Coffee Lake-S, TDP 65W)
CHIPSET	Intel® H310
MEMORY	2 x DDR4 2133MHz Dual Channel SO-DIMM, up to 64GB Actual memory support depends on the specific CPU and model
BIOS	AMI 128Mb Flash ROM
WATCHDOG TIMER	255 Levels
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)
POWER	
POWER REQUIREMENT	DC-in 12-24V
POWER ON MODE	AT / ATX
CONNECTOR	DC Jack
DISPLAY	
GPU	Intel® HD Graphics
LVDS	1 x LVDS (Max. Resolution: 1920 x 1080 @60Hz, Co-lay eDP)
eDP	1 x eDP1.3 (Max Resolution: 4096 x 2304@60Hz, co-lay with LVDS)
HDMI	1 x HDMI 1.4 (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-out	1 x Audio Jack for Line-Out
MIC-in	1 x Audio Jack for MIC-In
AMPLIFIER	3W
LAN	
ETHERNET	1 x RJ45 for Intel® I226-V 2.5GbE 1 x RJ45 for Intel® I219-V GbE
USB PORT	
USB	4 x USB 3.0 Internal Header for 5 x USB 2.0
SERIAL PORT	
COM	Internal Header for 4 x RS-232
INTERNAL I/O	
GPIO	8-Bit
SMBUS	Yes
ADDITIONAL	1 x Chassis intrusion 1 x PS/2 1 x Audio Header 1 x LVDS (co-layout eDP) 1 x eDP (co-layout LVDS) 1 x AT/ATX Mode Selection
STORAGE	
SATA	1 x SATA III
EXPANSION	
M.2	1 x M-Key 2242 1 x E-Key 2230 (USB 2.0/PCIe) Support CNVi
PCI-E	1 x PCIe x4
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% Relative Humidity, Non-condensing
CERTIFICATION	CE/FCC Class A
ESG DECLARATION	EU RoHS China RoHS REACH

Dimension Unit: mm



Ordering Information

PART NUMBER	JNC8HV-IH310
CPU	Intel® Socket LGA1151 CPU
POWER REQUIREMENT	DC-in 12-24V
GPU	Intel® HD Graphics
LVDS	1 x LVDS/eDP
HDMI	1 x HDMI
VGA	1 x VGA
MULTIPLE DISPLAY	Support 2 Displays
ETHERNET	1 x GbE
ETHERNET	1 x 2.5GbE
USB	4 x USB 3.0
USB	5 x USB 2.0
COM	4 x RS-232
SATA	1 x SATA III
M.2	1 x M-Key 2242
M.2	1 x E-Key 2230
M.2	1 x M-Key 2242
M.2	1 x E-Key 2230
PCI-E	1 x PCI-E x4
OPERATING TEMPERATURE	0°C - 60°C (32°F - 140°F)