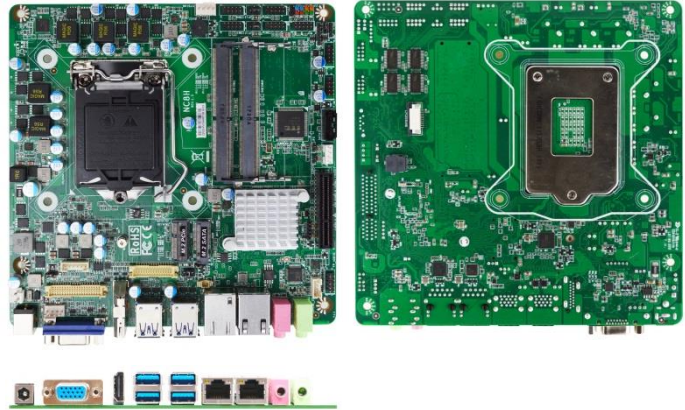


JNC8HV-IH310

Intel® Coffee Lake-S H310 Chip, Support LGA1151 CPU up to 65W, DDR4 up to 64GB, 12~24V DC-in

Features

1. Intel® LGA1151 Socket Core I3, I5, I7 Pentium Processor (Max. 65W)
2. Intel® Coffee Lake-S H310 Chip, up to 64GB
3. Realtek ALC888S Audio Codec
4. 1* Intel® I219-V GbE & 1* Intel® I225-V 2.5GbE
5. 1* SATAIII (6Gb/s) & M.2 (M key 2242)
6. HDMI/VGA /EDP (CO-lay LVDS) Output
7. 4* RS232 (COM1/2 Support 5V/12V TTL), 4* External USB3.0, 5* Internal USB2.0
8. 1* PCIe x4 Slot, 1* M.2 E key Support CNVi
9. DC 12~24V Input
10. Thin MINI ITX Form Factor (170 *170 mm)



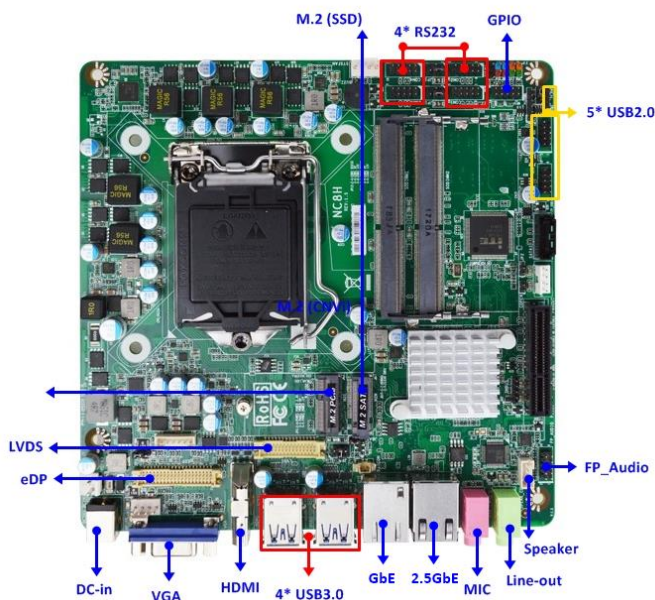
Overview

The JETWAY JNC8HV-IH310 is Mini-ITX form factor board adopts the Intel® LGA1151 Socket Core i7/i5/i3, Pentium Processor. The board supports two SO-DIMM DDR4 2133MHz memory, up to 64GB. Featuring the integrated Intel® i219-V GbE & i225-V 2.5 GbE controller, the JNC8HV-IH310 offers two Ethernet devices for network transmission. One SATAIII (6Gb/s) and one M.2 M-key 2242 offer storage devices. One M.2 E-key 2230 (PCIex1/USB2.0 interface) support CNVi, four USB3.0 ports, five USB2.0 ports and four COM ports provide versatile expansion. The PCIe x4 slot can support Jetway riser card for different expansion. The JNC8HV-IH310 offers one HDMI1.4 port, one VGA port, one eDP1.3 port and one LVDS port which can support 2 independent displays. Because of the above features, JNC8HV-IH310 is suitable for Edge Computing, Digital Signage, Industrial PCs, Factory Automation, Public Sector, Digital Security and Surveillance applications.

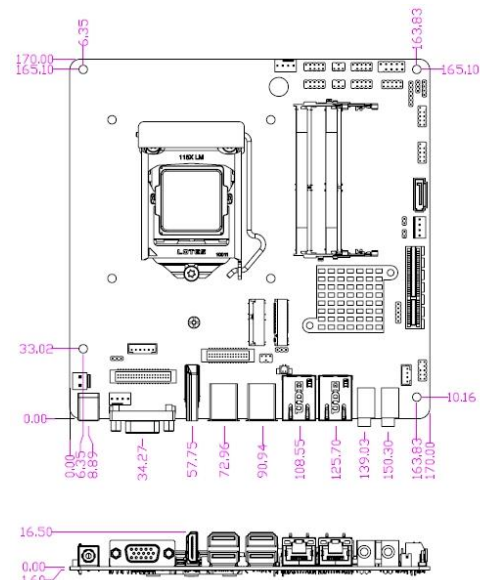
Application

Edge Computing / Digital Signage / Industrial PCs / Factory Automation / Public Sector / Digital Security / Surveillance

I/O Diagram



Mechanical Drawings (Unit=mm)



Specifications

| | |
|---|---|
| Model JNC8HV-IH310 | Form Factor Thin Mini ITX (170 * 170mm) |
| Processor System <ul style="list-style-type: none">• Intel® LGA1151 Series Processor (Max.65W)• Intel® Coffee Lake-S H310 Chipset• AMI 128M Flash ROM BIOS | Memory 2* DDR4 2133MHz Single Channel SO-DIMM up to 64GB |
| Storage <ul style="list-style-type: none">• 1* SATAIII (6 Gb/s)• 1* M.2 M-key (2242) | Expansion <ul style="list-style-type: none">• 1* M.2 E-key (2230, PCIe/USB2.0 interface) support CNVi• 1* PCIe x4 |
| Ethernet <ul style="list-style-type: none">• 1* Intel® I219-V GbE• 1* Intel® I225-V 2.5 GbE | Graphics <ul style="list-style-type: none">• Intel® HD Graphics, shared memory• 1* HDMI 1.4 (Max Resolution: 4096x2160@30Hz)• 1* eDP 1.3 co-layout LVDS (Max. Resolution: 4096x2304@60Hz)• 1* LVDS co-layout eDP (Max. Resolution: 1920x1080@60Hz)• 1* VGA (Max. Resolution: 1920x1080@60Hz)• Support Dual Displays |
| Audio HD audio: Realtek ALC888S | 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">• 5* USB2.0• 1* SATAIII• 1* LVDS (co-layout eDP)• 1* eDP (co-layout LVDS)• 4* COM RS232 (COM1 and COM2 support 5V/12V TTL)• 1* Chassis intrusion• 1* PS/2• 1* Audio Header• 1* GPIO• 1* SMBUS• 1* AT mode | External I/O Rear: <ul style="list-style-type: none">• 4* USB3.0• 1* VGA• 1* HDMI• 2* RJ45• 1* Audio Line-out• 1* Audio MIC• 12V~24V DC-in |
| Power 12V~24V DC-in PWR - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready | Compliance CE, FCC, 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) | OS Support |
| Warranty 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 |
|------------------|-------------------------|
| | JNC8HV-IH310 M/B |
| G01-SATA3-BL-1F | 1* CABLE for SATA3 50cm |
| G01-COM-H2M22-1F | 2* COM CABLE |
| F04-MB-075-F | I/O Shield |