

JNF9U Series

Mini-ITX Embedded Motherboard with Intel® Celeron N2930 SoC Processor, DDR3L up to 8GB, support 9V~24V DC-in

Features

1. Intel® Bay Trail N2930 SoC Processor
2. Supports 1* DDR3L 1333MHz Dual CH up to 8GB
3. Supports 2* Serial ATAII (3Gb/s) Devices
4. 2* Realtek GbE
5. 1* Mini-PCIe, 1* PCIe x1 slot
6. 1* External COM (RS232/422/485), 5* Internal COM (RS232)
7. 1* USB 3.0, 7* USB 2.0
8. 1* VGA, 1* HDMI, 1* 24-bit Dual channel LVDS
9. 1* RJ11 port, 1* parallel port
10. 9V~24V wide range DC-in
11. Support TPM2.0 (JNF9U-2932 only)



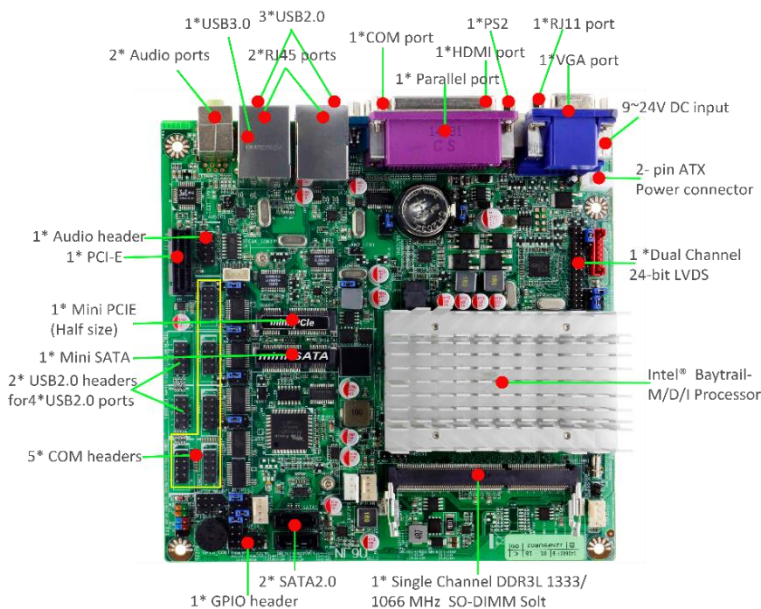
Overview

The JETWAY JNF9U Series is a Mini-ITX form factor board adopts the Intel® Celeron N2930 SoC Processor. The board is support one SO-DIMM DDR3L 1333Mhz memory, up to 8GB. Featuring the integrated Realtek RTL8111G Gigabit Ethernet controller for Gigabit Ethernet connection, the JNF9U Series offers two 10/100/1000Base-TX Ethernet devices for network transmission. Two SATAII (3Gb/s) interface and one mSATA interface offer ample storage options. One PCI x1 slot, one Mini PCIe (half size) interface, one USB3.0 ports, seven USB2.0 ports, one RJ11, one parallel port and six COM ports provide versatile expansion. The JNF9U Series offers this multitude of expansion interfaces so system integrators may be able to easily expand their embedded system and allow for increased versatility.

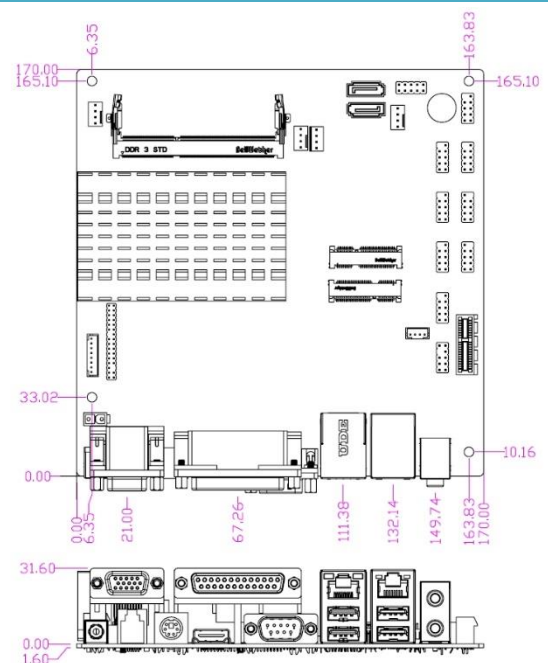
Application

Industrial Control / Automation / Transportation / Medical Equipment

I/O Diagram



Mechanical Drawings (Unit=mm)



Specifications

Model <ul style="list-style-type: none">JNF9U-2930 (N2930)JNF9U-2932 (N2930, TPM2.0)	Form Factor <p>Mini-ITX (170 * 170mm)</p>
Processor System <ul style="list-style-type: none">Intel® Bay Trail N2930 SoC ProcessorAMI 64Mb Flash ROM BIOS	Memory <p>1* DDR3L 1333MHz Dual Channel SO-DIMM up to 8GB</p>
Storage <ul style="list-style-type: none">2* SATAII (3 Gb/s)1* mSATA	Expansion <ul style="list-style-type: none">1* Half size mini-PCIe1* PCIe x1
Ethernet <p>2* Realtek RTL8111G GbE</p>	Graphics <ul style="list-style-type: none">Intel® HD Graphics, shared memory1* VGA (Max Resolution: 1920x1080@60Hz)1* HDMI (Max Resolution: 1920x1200@60Hz)1* 24-bits Dual channel LVDS (Max Resolution: 1920x1200@60Hz)Support Dual Displays
Audio <p>HD audio: Realtek ALC888S</p>	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* USB2.02* SATAII (3.0Gb/s)1* LVDS5* COM (support RS232 with 5V/12V selectable header)1* GPIO1* Chassis intrusion1* Audio Header1* AT mode	External I/O <ul style="list-style-type: none">1* USB 3.03* USB 2.01* COM (support RS232/422/485 with 5V/12V selectable header)1* HDMI1* VGA2* RJ451* RJ111* Parallel1* PS/21* Audio jack (MIC/Line-out)9V~24V DC-in
Power <p>9V~24V DC-in PWR (2-pin PWR Connector), AT/ATX Supported</p> <ul style="list-style-type: none">AT: Directly PWR on as Power input readyATX: Press Button to PWR on after Power input ready	Compliance <p>CE, FCC, RoHS, REACH</p>
Temperature <ul style="list-style-type: none">Operating Temperature: -20 ~ 70° CStorage Temperature: -40 ~ 70° CHumidity: 10% ~ 90% RH @40°C (non-condensing)	OS Support <p>Windows 7 / 8 / 10, Linux</p>
Warranty <p>2 Years limited warranty</p>	

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

Standard Accessories

Part Number	Description
	JNF9U Series M/B
G01-SATA-BK-B-2F	2* SATA cable
G01-PW4PS-2S-323F	1* SATA Power cable
G01-COM9-30A-1F	5* COM cable
F04-MB-014-F	I/O Shield