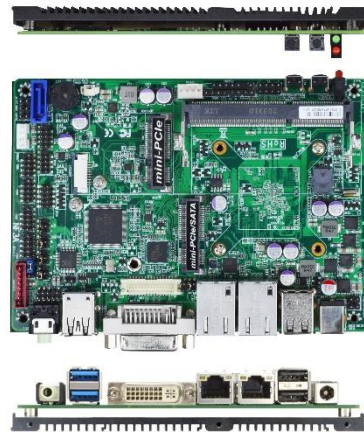


JNF3A Series

Intel® Bay Trail SoC processor, DDR3L up to 4GB/8GB, 1* SATA, 1*mSATA, 1* full size Mini-PCle, 1* half size Mini-PCle, 2* GbE, 9~24V DC-in

Features

1. Intel® Bay Trail Series SoC Processor (Default: N2930)
2. Support 1* DDR3L 1333MHz SO-DIMM up to 4GB/8GB
3. Support 1 * SATAII (3Gb/s) Device
4. Integrated Realtek ALC888S HD Audio CODEC with 2-CH
5. 1* 24-bits Dual Channel LVDS header
6. Support DVI-I output
7. Support 2 * Realtek RTL8111H GbE
8. Support CPU Smart FAN
9. Support Watch Dog Timer 0~255 sec
10. 9V~24V DC-in PWR jack
11. 148 x 102mm 3.5" SBC Form Factor



intel. FC CE RoHS COMPLIANT

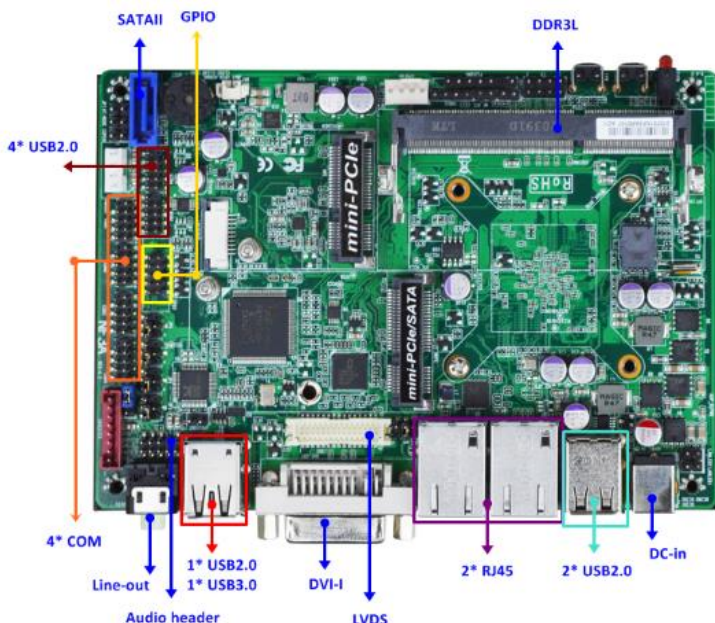
Overview

The JETWAY NF3A is 3.5" form factor board adopts the Intel® Bay Trail SoC Processor. The board supports one SO-DIMM DDR3L 1333MHz memory up to 4GB(N2807) or 8GB(N2930). Featuring the integrated Gigabit Ethernet controller, the NF3A offers two 10/100/1000Base-TX Ethernet device for network transmission. One SATAII (3Gb/s) offer storage devices. In addition, it offers one full size Mini-PCle (share with mSATA) and one half size Mini-PCle for more flexible expansion. The NF3A also provide one USB 3.0 ports, seven USB2.0 ports and four COM ports. The NF3A offers one HDMI port, one eDP port and one LVDS. Because of the above features, NF3A is suitable for Panel PC, IOT Solution applications.

Application

Panel PC / IOT Solution

I/O Diagram



Mechanical Drawings (Unit=mm)



Specifications

Model <ul style="list-style-type: none">JNF3A-2930JNF3A-2807	Form Factor <p>3.5" SBC (148 * 102mm)</p>
Processor System <ul style="list-style-type: none">Intel® Bay Trail Series SoC Processor	Memory <ul style="list-style-type: none">JNF3A-2807: 1* DDR3L 1333MHz SO-DIMM up to 4GBJNF3A-2930: 1* DDR3L 1333MHz SO-DIMM up to 8GB
Storage <ul style="list-style-type: none">1* SATAII (3.0Gb/s)	Expansion <ul style="list-style-type: none">1* mSATA (shared with full size Mini PCIe)1* full size Mini-PCIe (shared with mSATA)1* half size Mini-PCIe
Ethernet <p>2* Realtek RTL8111H GbE</p>	Graphics <ul style="list-style-type: none">Intel® HD Graphics, shared memory1* LVDS 24-bits Dual Channel1* DVI-ISupport 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* USB2.01* SATAII1* LVDS1* PS/24* COM (one support RS232/422/485)1* GPIO1* Chassis intrusion1* Audio Header1* AT mode	External I/O <p>Rear:</p> <ul style="list-style-type: none">1* DVI-I2* RJ451* USB 3.03* USB 2.01* Audio jack9V~24V DC-in
Power <p>9V~24V DC-in PWR</p> <ul style="list-style-type: none">- AT: Directly PWR on as Power input ready- ATX: 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 ~ 60° CStorage Temperature: -40 ~ 70° CHumidity: 10% ~ 90% RH @40°C (non-condensing)	OS Support <p>Windows, 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
JNF3A Series	JNF3A Series M/B
G01-SATA-BK-B-2F	SATA cable
G01-PW4PS-2S-323F	SATA Power cable
G01-COM-H2M22-1F	COM cable
G01-DVI-VGA-W-F	DVI to VGA converter