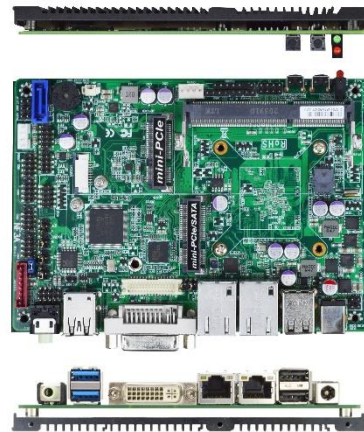


NF3A Series

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, 9~12V DC-in

Features

1. Intel® Bay Trail Series SoC Processor (Default: N2930)
2. Support 1* DDR3L 1333/1066MHz Single/Dual CH up to 4GB/8GB
3. Support 1 * Serial ATAII (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 RT8119I 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

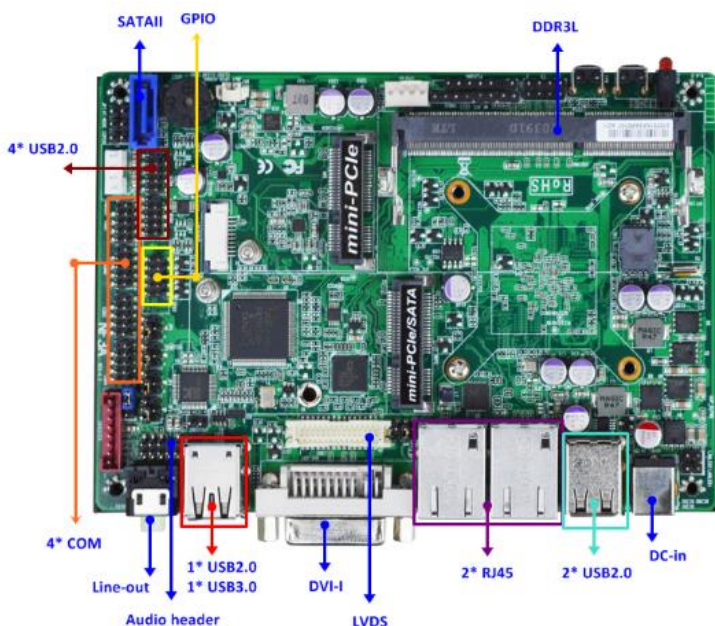
Overview

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 or one SO-DIMM DDR3L 1066MHz memory up to 8GB (optional). Featuring the integrated Intel® Gigabit Ethernet controller, the NF3A offers two 10/100/1000Base-TX Ethernet device for network transmission. One SATAIII (3Gb/s) offer storage devices. In addition, it offers one mSATA, one full size mini-PCle, 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 M.2 B-key 3042 can support 3G/4G/LTE. The MF94 offers one HDMI port, one eDP port and one LVDS. Because of the above features, MF94 is suitable for Panel PC, IOT Solution applications.

Application

Panel PC / IOT Solution

I/O Diagram



Mechanical Drawings (Unit=mm)



Specifications

Model JNF3A-2930 JNF3A-2807	Form Factor 3.5" SBC (148 * 102mm)
Processor System • Intel® Bay Trail Series SoC Processor	Memory 1* DDR3 1333MHz Single/Dual Channel SO-DIMM up to 4GB/8GB
Storage • 1* SATA (3.0Gb/s)	Expansion • 1* mSATA (shared with full size Mini PCIe) • 1* Full size Mini-PCIe (shared with mSATA) • 1* Half size Mini-PCIe
Ethernet 2* Realtek RTL8119I GbE	Graphics • Intel® HD Graphics, shared memory • 1* LVDS 24-bits Dual Channel • 1* DVI-I • Support Dual Displays
Audio HD audio: Realtek ALC888S	Watchdog Timer • From Super I/O to drag RESETCON# • 256 segments (10sec ~ 255min)
Internal I/O • 4* USB2.0 • 1* SATAIII • 1* LVDS • 1* PS/2 • 4* COM (one support RS232/422/485) • 1* GPIO • 1* Chassis intrusion • 1* Audio Header • 1* AT mode	External I/O Rear: • 1* DVI-I • 2* RJ45 • 1* USB 3.0 • 3* USB 2.0 • 1* Audio jack • 9V~12V DC-in
Power 9V~12V 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 • Operating Temperature: -20 ~ 60° C • Storage Temperature: -40 ~ 70° C • Humidity: 10% ~ 90% RH @40°C (non-condensing)	OS Support 確認中
Warranty 2 Years limited warranty	

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

Ordering Info

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