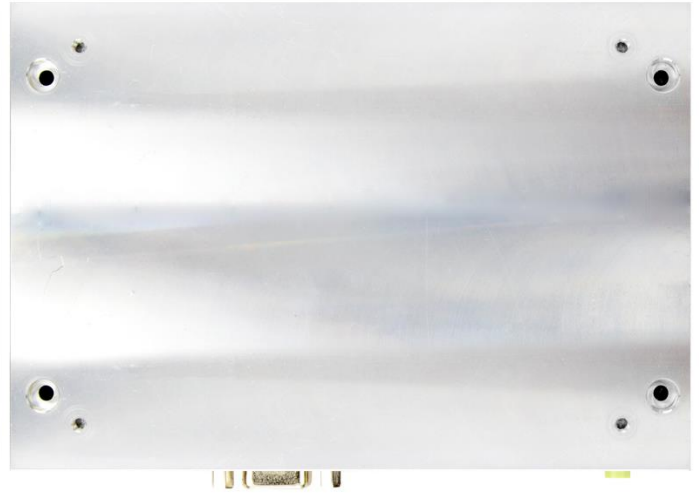
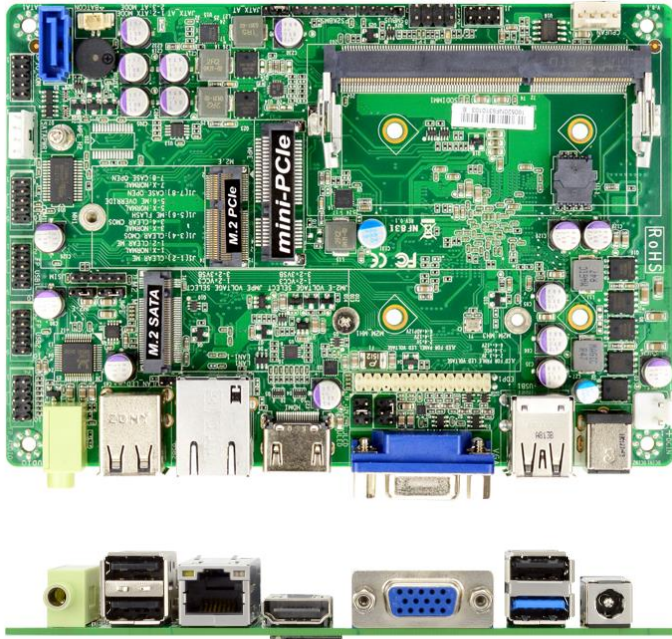


JNF831-2930

Intel® Bay Trail N2930 SoC CPU, DDR3L up to 8GB, support multiple USB ports



Overview

The JETWAY JNF831-2930 is 3.5" form factor board adopts the Intel® Bay Trail N2930 SoC Processor as default. The board supports one 204-pins SO-DIMM DDR3L memory, up to 8GB. Featuring the integrated Realtek RTL8111H Gigabit Ethernet controller for Gigabit Ethernet connection, the JNF831-2930 offers one 10/100/1000Base-TX Ethernet device for network transmission. One SATAII (3.0Gb/s) interface and one M.2 (M-key, 2242/2280) interface offer ample storage options. One Mini PCIe interface and SIM card holder are for 3G/LTE connection. One USB3.0 port, seven USB2.0 ports and one COM port provide versatile expansion. The JNF831-2930 offers one HDMI, one VGA and one eDP port which can support Dual independent output and displays. Because of these features, NF831-2930 is suitable for digital signage or kiosk or industry use.

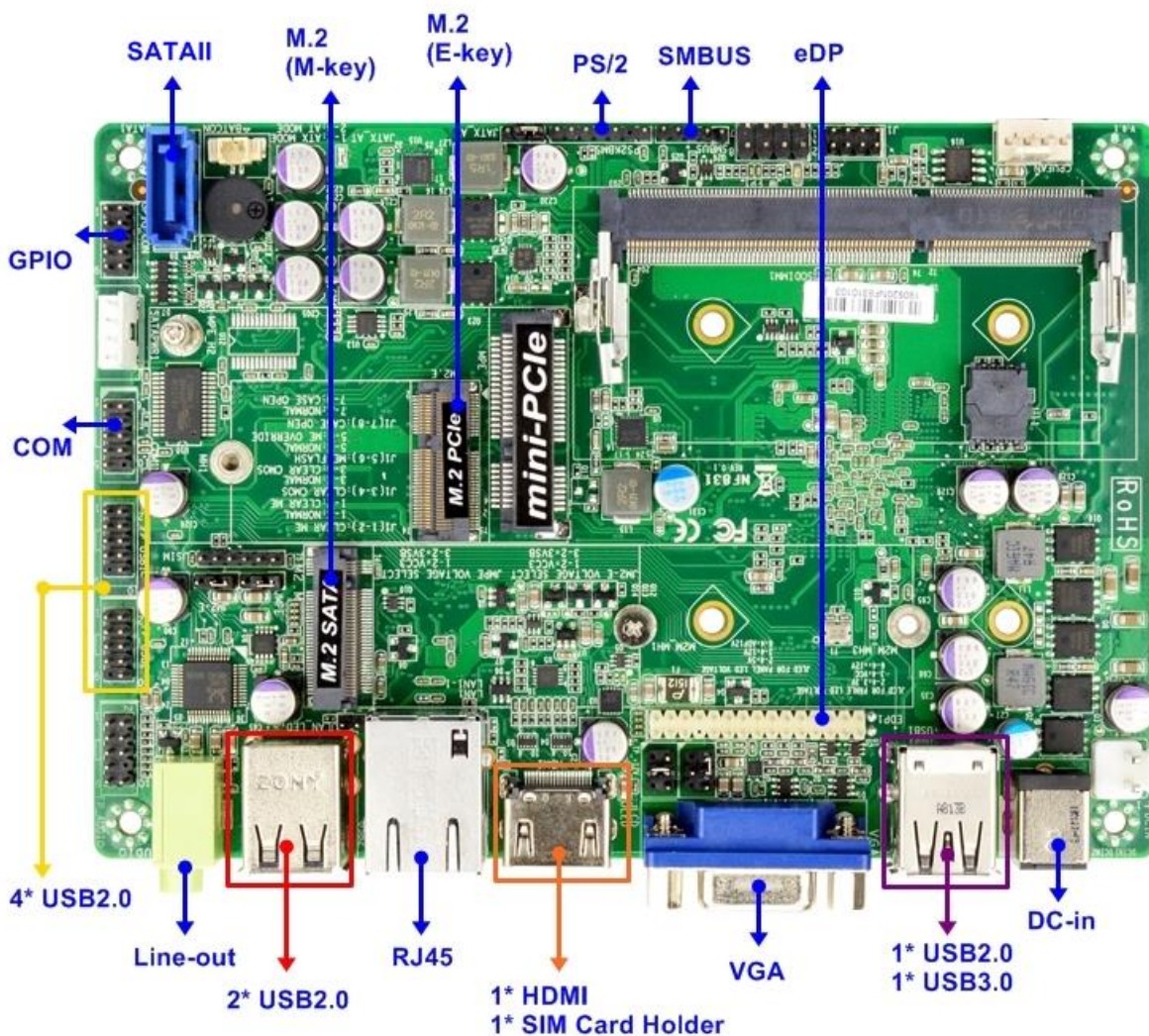
Features

1. Intel® Bay Trail N2930 SoC Processor
2. Support 1 * DDR3L 1333MHz SO-DIMM, up to 8GB
3. Support 1 * HDMI, 1 * VGA & 1 * eDP port Dual Displays
4. 1 * Internal RS232
5. 1 * External USB3.0, 3 * USB2.0 & 4 * Internal USB2.0
6. 1 * Full size Mini PCIe and SIM card holder
7. 1 * M.2 (M-key, 2242/2280) & 1 * M.2 (E-key, 2230)

Application

- Digital Signage
- Kiosk
- Industry Use
- Automation Control

Internal Diagram



Specifications

Form Factor

Dimensions - 3.5" (5.8-in * 4.0-in, 148 * 102mm)

Processor System

CPU - Intel® Bay Trail N2930 SoC Processor

Core Number - 4

Max Speed - 2.16GHz

L2 Cache - 2MB

Chipset - SoC

BIOS - AMI 64Mb Flash ROM

Expansion Slot

PCI - 0

Mini-PCIe - 1 (full size)

mSATA - 0

PCIe - 0

M.2 - 1 (M-key, 2242/2280) & 1 (E-key, 2230)

CFast Card Socket - 0

CF Card Socket - 0

SIM Card Holder - 1 (bottom side)

Memory

Technology - DDR3L 1333MHz SDRAM

Max. - 8GB

Socket - 1 * SO-DIMM

Graphics

Controller - Intel® HD Graphics

VRAM - Shared Memory

VGA - 1 (Max. Resolution: 1920*1200@60Hz)

LVDS - 0

eDP - 1 (Max. Resolution: 2560*1600@60Hz)

HDMI 1.4a - 1 (Max. Resolution: 1920*1200@60Hz)

DVI-D - 0

DisplayPort - 0

Multi Display - Dual Displays

Ethernet

Ethernet - 10/100/1000 Mbps

Controller - Realtek RTL8111H GbE

Connector - 1 * RJ45

Audio	
CODEC	- HD Audio: Realtek ALC662
Channel	- 2 Channel (Line-out)
SATA	
Max Data Transfer Rate	- 1 * SATAII (3.0Gb/s)
Rear I/O	
VGA	- 1
DVI-D	- 0
HDMI	- 1
DisplayPort	- 0
Ethernet	- 1
USB	- 1 * USB 3.0 & 3 * USB 2.0
Audio	- 1 (Line out)
Serial / Parallel	- 0
eSATA	- 0
PS/2	- 0
DC-input	- 1
Internal Connector	
USB	- 4 * USB 2.0
PS/2	- 1
LVDS / inverter	- 0
eDP	- 1
HDMI	- 0
Serial	- 1 * RS232
SATA	- 1 * SATAII (3.0Gb/s)
mPCIe	- 1 (full size)
Parallel	- 0
mSATA	- 0
M.2	- 1 (M-key, 2242/2280), 1 (E-key, 2230)
GPIO	- 1 (8 bit)
Chassis intrusion	- 1
Audio Header	- 1
SMBUS/ I2C	- 1
AT mode	- 1
TPM	- On board (option)
Watchdog Timer	
Output	- From Super I/O to drag RESETCON#

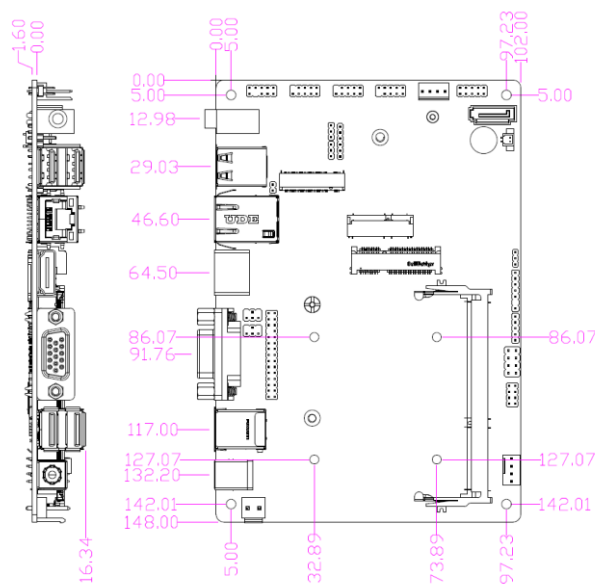
Interval	- 256 segments (10sec ~ 255min)
Power Requirements	
Input PWR	- 12V DC-in
Power On	AT/ATX Supported - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready
Certifications	
Certifications	- CE, FCC, RoHS, REACH
Environment	
Temperature	- Operating: 0°C ~ 60°C - Storage: -20°C ~ 85°C
Warranty	
Warranty	- 2 Years Limited Warranty
Packing	
Packing	- Net Weight: - Gross Weight: - Color Box dimension:

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

Accessories

Part Number	Description
JNF831 M/B	

Mechanical Drawings (Unit = mm)



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