

PICO-ITX size Embedded Motherboard with Intel® Bay Trail-M SoC Processor, DDR3L up to 2GB, support dual display

Features

1. Intel® Bay Trail-M SoC Processor
2. On-board 2GB DDR3L 1333MHz System Memory
3. Support 1* Serial ATAII (3Gb/s) Device
4. Integrated Realtek ALC888S HD Audio CODEC with 4-CH
5. 1* 24-bits Dual channel LVDS header
6. Support 1* HDMI (option VGA) Output
7. Supports 1* Realtek RTL8111H GbE
8. 12V DC-in



intel. FC CE RoHS COMPLIANT

Overview

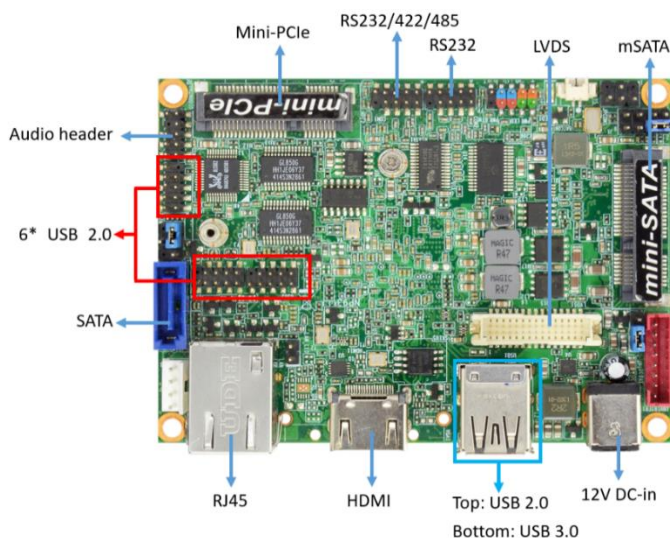
The JETWAY NP93 Series adopts the Intel® Bay Trail-M SoC processor. The NP93 Series equipped with one DDR3L 1333MHz onboard up to 2GB, one SATA and one mSATA (full size) which is suitable for most of the Digital Signage applications.

In addition, it offers flexible expansion with Mini-PCIe half size slot which can connect other add-on modules. The NP93 Series also has one USB 3.0, seven USB 2.0, one RS232 and one RS232/422/485. Customers can connect different peripherals to meet their needs. The NP93 Series also support one HDMI or VGA and one LVDS Dual display which can be used for Digital Signage needs. All of the NP93 Series designs provide rich features with small dimension.

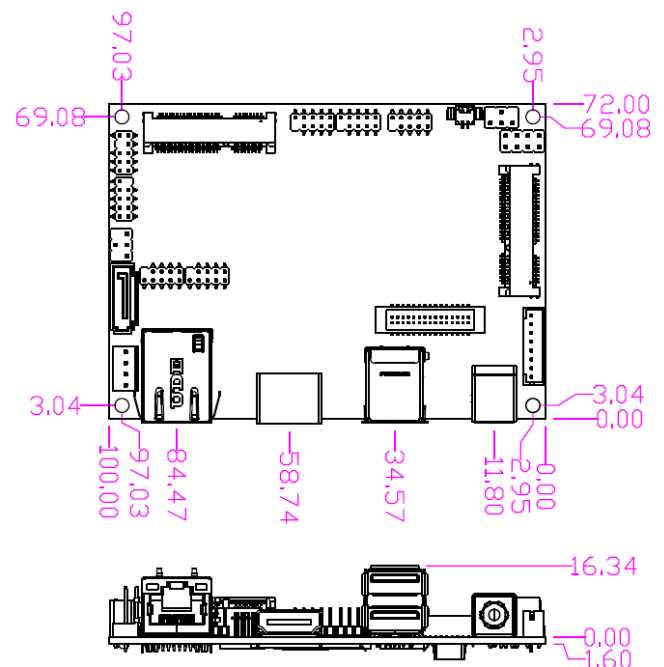
Application

Digital Signage / Intelligent Home / IOT Solution

I/O Diagram



Mechanical Drawings (Unit=mm)



Specifications

Model JNP93-2930 (N2930) Quad Core 1.83GHz SoC (TDP 7.5W) JNP93-2807 (N2807) Dual Core 1.58GHz SoC (TDP 4.3W)	Form Factor PICO (100 * 72mm)
Processor System <ul style="list-style-type: none">Intel® Bay Trail-M SoC ProcessorUEFI BIOS	Memory 2GB onboard DDR3L 1333MHz Single Channel
Storage <ul style="list-style-type: none">1* SATAII (3 Gb/s)1* mSATA (full size)	Expansion 1* Mini-PCIe (half size)
Ethernet 1* Realtek RTL8111H GbE	Graphics <ul style="list-style-type: none">Intel® HD Graphics, shared memory1* VGA (Option with HDMI, Max Resolution: 1920x1200@60Hz)1* HDMI (Option with VGA, Max Resolution: 1920x1200@60Hz)1* 24-bits Dual channel LVDS (Max Resolution: 1920x1200@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">6* USB2.01* SATAII1* LVDS2* COM (one support RS232/422/485 with 5V/12V selectable header)1* Audio Header1* AT mode	External I/O Rear: <ul style="list-style-type: none">1* RJ451* USB 3.01* USB 2.01* VGA (option with HDMI)1* HDMI (option with VGA)12V DC-in
Power 12V DC-in PWR (2-pin PWR Connector) - 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: -20 ~ 60° CStorage Temperature: -40 ~ 70° COperating Humidity: 10% ~ 90% RH (non-condensing)Storage Humidity: 0~95% RH (non-condensing)	OS Support Win7 SP1 32-bit, Win7 SP1 64-bit, Win8 32-bit, Win8 64-bit, Win8.1 32-bit, Win8.1 64-bit, Win10 32-bit, Win10 64-bit, Win 10 IoT Enterprise 64-bit, POSready 7 32bit, POSready 7 64bit, WE Standard 7 SP1 32-bit, WE Standard 7 SP1 64-bit, WE Standard 8 32-bit, WE Standard 8 64-bit, CentOS (Version 6.5), Debian (Version 7.6), Fedora workstation (Version 20), openSUSE (Version 13.1), Ubuntu workstation (Version 14.04), pfSense (Version 2.2), RedHat Enterprise (Version 7.0), Android (Version 4.4.2_r1-ia2)
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
	NP93 Series M/B
G01-SATA-BK-B-2F	1* SATA cable
G01-PW4PS2S-322-1F	1* SATA Power Y cable
G01-COM-H2M22-1F	1* COM cable
F05-JNP93-3F	1* Black Fin type Heatsink