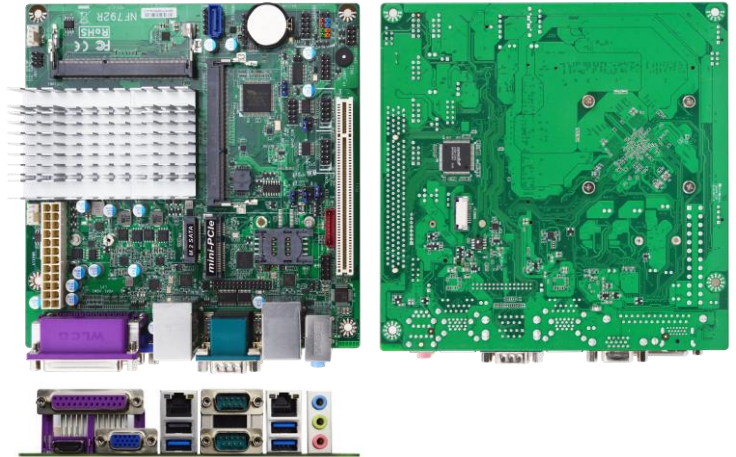


JNF792R-3160

Mini-ITX Embedded Motherboard with Intel® Celeron N3160 SoC Processor, DDR3L up to 8GB, support ATX power input

Features

1. Intel® Celeron N3160 SoC Processor (TDP 6W)
2. 2* 204-pin Dual-channel DDR3L 1600MHz SODIMM Up to 8GB
3. 2* 10/100/1000 Base-TX Ethernet Ports
4. Support Intel AES-NI and TPM (option) to secure customers' data
5. 4* COM, 3 * USB3.0, 5 * USB2.0, 1 * HDMI, 1 * VGA, 1* LVDS (co-lay with eDP), 1 * M.2 (M-key, 2242/2260)
6. 1* PCI slot, 1* Mini PCIe slot (1* full size), 1 * SIM card holder



intel. FC CE RoHS COMPLIANT

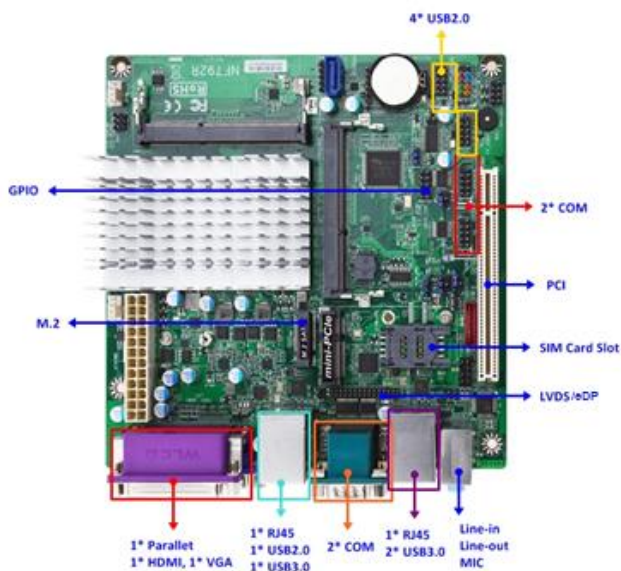
Overview

The JETWAY JNF792R-3160 is a Mini-ITX form factor board adopts the Intel® Celeron N3160 SoC Processor. The board is support two 204-pins SO-DIMM DDR3L 1600Mhz memory, up to 8GB. Featuring the integrated Realtek RTL8119I Gigabit Ethernet controller for Gigabit Ethernet connection, the JNF792R-3160 offers two 10/100/1000Base-TX Ethernet devices for network transmission. One SATAIII (6Gb/s) interface and one M.2 (M-key, 2242/2260) interface offer ample storage options. One PCI slot, one Mini PCIe interface, SIM card holder for 3G/LTE connection, three USB3.0 ports, five USB2.0 ports, one parallel port and four COM ports provide versatile expansion. The JNF792R-3160 offers this multitude of expansion interfaces so system integrators may be able to easily expand their embedded system and allow for increased versatility.

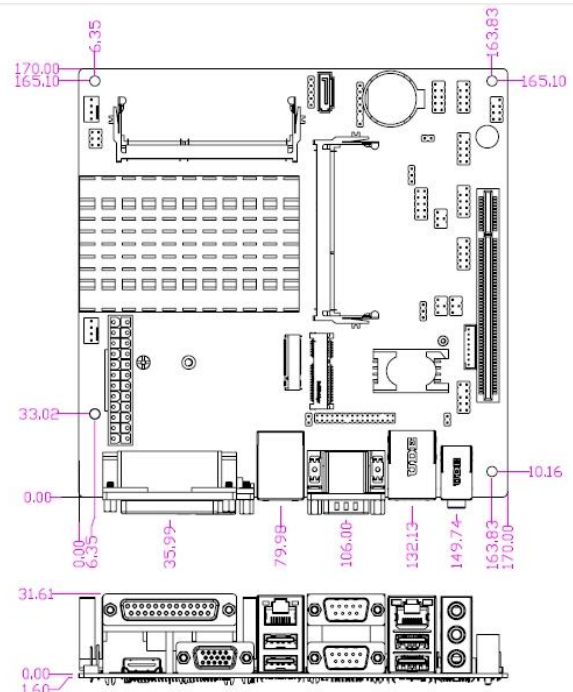
Application

Industrial Control / Automation / Transportation / Medical Equipment

I/O Diagram



Mechanical Drawings (Unit=mm)



Specifications

Model

JNF792R-3160 (N3160)

Processor System

- Intel® Braswell N3160 SoC Processor
- AMI 64Mb Flash ROM BIOS

Storage

- 1* SATAIII (6 Gb/s)
- 1* M.2 M-key (2242/2260, W/SATA interface)

Ethernet

2* Realtek RTL8119I GbE

Audio

HD audio: Realtek ALC888S

Internal I/O

- 4* USB2.0
- 1* SATAIII
- 1* LVDS (co-lay with eDP)
- 2* COM (RS232)
- 1* SIM card holder
- 1* Chassis intrusion
- 1* Audio Header
- 1* SMBUS
- 1* GPIO
- 1* AT mode
- 1* TPM (optional)

Power

ATX power in

- AT: Directly PWR on as Power input ready
- ATX: Press Button to PWR on after Power input ready

Temperature

- Operating Temperature: 0 ~ 60° C (with 0.7m/s air flow)
- Storage Temperature: -20 ~ 85° C
- Humidity: 10% ~ 90% RH @40°C (non-condensing)

Warranty

2 Years limited warranty

Form Factor

Mini-ITX (170 * 170mm)

Memory

2* DDR3L 1600MHz Dual Channel SO-DIMM up to 8GB

Expansion

- 1* PCI
- 1* Mini-PCIe (full size)

Graphics

- Intel® HD Graphics, shared memory
- 1* VGA (Max Resolution: 1920x1080@60Hz)
- 1* HDMI 1.4 (Max Resolution: 3840x2160@30Hz)
- 1* LVDS (Max Resolution: 1920x1080@60Hz, co-lay with eDP)
- Support Triple Displays

Watchdog Timer

- From Super I/O to drag RESETCON#
- 256 segments (10sec ~ 255min)

External I/O

- 3* USB3.0
- 1* USB2.0
- 1* VGA
- 1* HDMI
- 2* RJ45
- 1* Audio jack (Line-in, Line-out, MIC)
- 2* COM (COM1 support RS232/422/485)
- 1* Parallel

Compliance

CE, FCC, LVD, RoHS, REACH

OS Support

Windows 7 / 8 / 10, Linux

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

Standard Accessories

Part Number	Description
	JNF792R-3160 M/B
G01-SATA3-BL-1F	1* SATAIII cable
F04-MB-055-F	I/O Shield