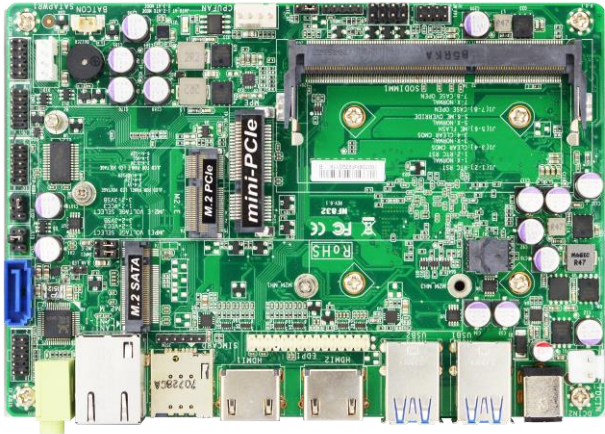




## JNF832 Series

**Intel® Apollo-Lake SoC CPU, DDR3L up to 8GB, support  
Max. 4K display resolution**



### Overview

The JETWAY JNF832 series are 3.5" form factor board adopts the Intel® Apollo Lake series SoC Processor. The board supports one 204-pins SO-DIMM DDR3L memory, up to 8GB. Featuring the integrated Realtek Gigabit Ethernet controller for Gigabit Ethernet connection, the JNF832 offers one 10/100/1000Base-TX Ethernet devices for network transmission. One SATAIII (6Gb/s) interface and one M.2 (M-key 2242/2280 SATA interface) interface offer ample storage options. One Mini PCIe interface, one M.2 (E-key 2230 PCIe interface) and SIM card holder are for 3G/LTE connection. Four USB3.0 ports, two USB2.0 ports and one COM port provide versatile expansion. The JNF832 offers two HDMI and one eDP ports which can support triple independent output. Because of these features, JNF832 is suitable for digital signage or panel PC or industry use.

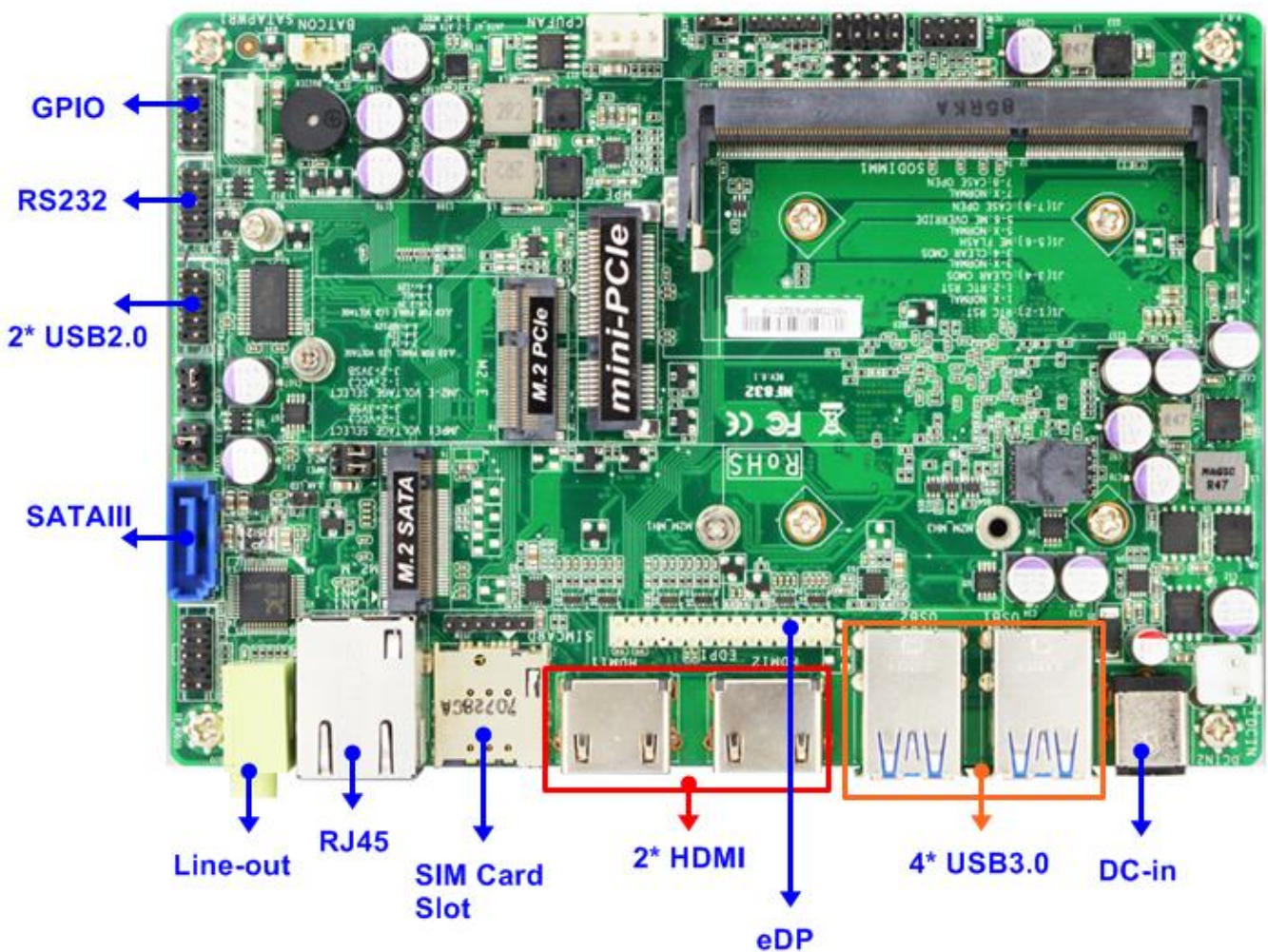
## Features

1. Intel® Apollo Lake SoC Processor
2. Support 1 \* DDR3L SO-DIMM, up to 8GB
3. Support 2 \* HDMI & 1 \* eDP port
4. Support Triple Display
5. 1 \* Internal COM (support RS232)
6. 4 \* External USB3.0 & 2 \* Internal USB2.0
7. 1 \* Full size Mini PCIe,  
1 \* M.2 (M-key 2242/2280) SATA interface,  
1 \* M.2 (E-key 2230) PCIe interface
8. SIM card holder support

## Application

- Digital Signage
- Panel PC
- Transportation
- Automation
- Telecom

## Internal Diagram



## Specifications

<b>Model</b>	
Model	- JNF832-3455
Part Number	- JNF832-3455 (Default)
<b>Form Factor</b>	
Dimensions	- 3.5" (5.8-in * 4.0-in, 148 * 102mm)
<b>Processor System</b>	
CPU	- Intel® Apollo Lake SoC Processor
Core Number	- by CPU
Max Speed	- by CPU
L2 Cache	- by CPU
Chipset	- SoC
BIOS	- AMI Flash ROM
<b>Expansion Slot</b>	
Mini-PCIe	- 1 (full size)
M.2	- 1 (M-key 2242/2280 SATA interface) - 1 (E-Key 2230 PCIe interface)
SIM Card Holder	- 1
<b>Memory</b>	
Technology	- DDR3L 1866MHz SDRAM
Max.	- 8GB
Socket	- 1 * SO-DIMM
<b>Graphics</b>	
Controller	- Intel® HD Graphics
VRAM	- Shared Memory
eDP 1.3	- 1 (Max. Resolution: 3840 * 2160@60Hz)
HDMI 1.4b	- 2 (Max. Resolution: 3840 * 2160@30Hz)
MultiDisplay	- Triple Display
<b>Ethernet</b>	
Ethernet	- 10/100/1000 Mbps
Controller	- Realtek RTL8111H GbE
Connector	- 1 * RJ45
<b>Audio</b>	
CODEC	- HD Audio: Realtek ALC662VD
Channel	- 1 Channel (Line-out)
<b>SATA</b>	
Max Data Transfer Rate	- 1 * SATAIII (6.0Gb/s)

<b>Rear I/O</b>	
HDMI	- 2
Ethernet	- 1
USB	- 4 * USB 3.0
Audio	- 1 (Line out)
DC-input	- 1
<b>Internal Connector</b>	
USB	- 2 * USB 2.0
eDP	- 1
Serial	- 1 * RS232
SATA	- 1 * SATAIII (6.0Gb/s)
mPCIe	- 1 (full size)
M.2	- 1 (M-key 2242/2280 SATA interface) - 1 (E-Key 2230 PCIe interface)
GPIO	- 1 (8 bit)
Chassis intrusion	- 1
Audio Header	- 1
SMBUS/ I2C	- 1
AT mode	- 1
TPM Header	- 1 (on board option)
Others	- 0
<b>Watchdog Timer</b>	
Output	- From Super I/O to drag RESETCON#
Interval	- 256 segments (10sec ~ 255min)
<b>Power Requirements</b>	
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
<b>Certifications</b>	
Certifications	- CE, FCC, RoHS, REACH
<b>Environment</b>	
Temperature	- Operating: 0°C ~ 60°C
	- Storage: -20°C ~ 85°C
<b>Warranty</b>	
Warranty	- 2 Years Limited Warranty

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

# Accessories

Part Number	Description
	JNF832 Series M/B

## Mechanical Drawings (Unit = mm)

