

## JNF711-2807

Intel® Baytrail N2807 CPU, on-board DDR3L up to 2GB, smallest M/B



### Product Introduction

The JETWAY JNF711-2807 adopts the Intel® Bay Trail series SoC processor. JNF711-2807 equipped with pin headers to minimize the PCB size to 84x55mm which is as small as credit card. JNF711-2807 is only 1/3 size comparing with popular 3.5" main board. But, Jetway did not sacrifice the features. NF711 equipped with 2GB on board DDR3L memory which is suitable for most of the applications. With Intel Gigabit Ethernet LAN ports, customers can connect intranet and surf the internet.

In addition, it offers flexible expansion with M.2 and mPCIe/mSATA slot which can expand extra storage or connect other add-on modules. NF711 also has one USB 3.0, two USB 2.0, one RS232 and one RS232/422/485 ports. Customers can connect different peripherals to meet their needs. JNF711-2807 also support VGA/eDP dual display which can be used for standard main board or panel PC. All of the JNF711-2807 designs provide rich features with small dimension.

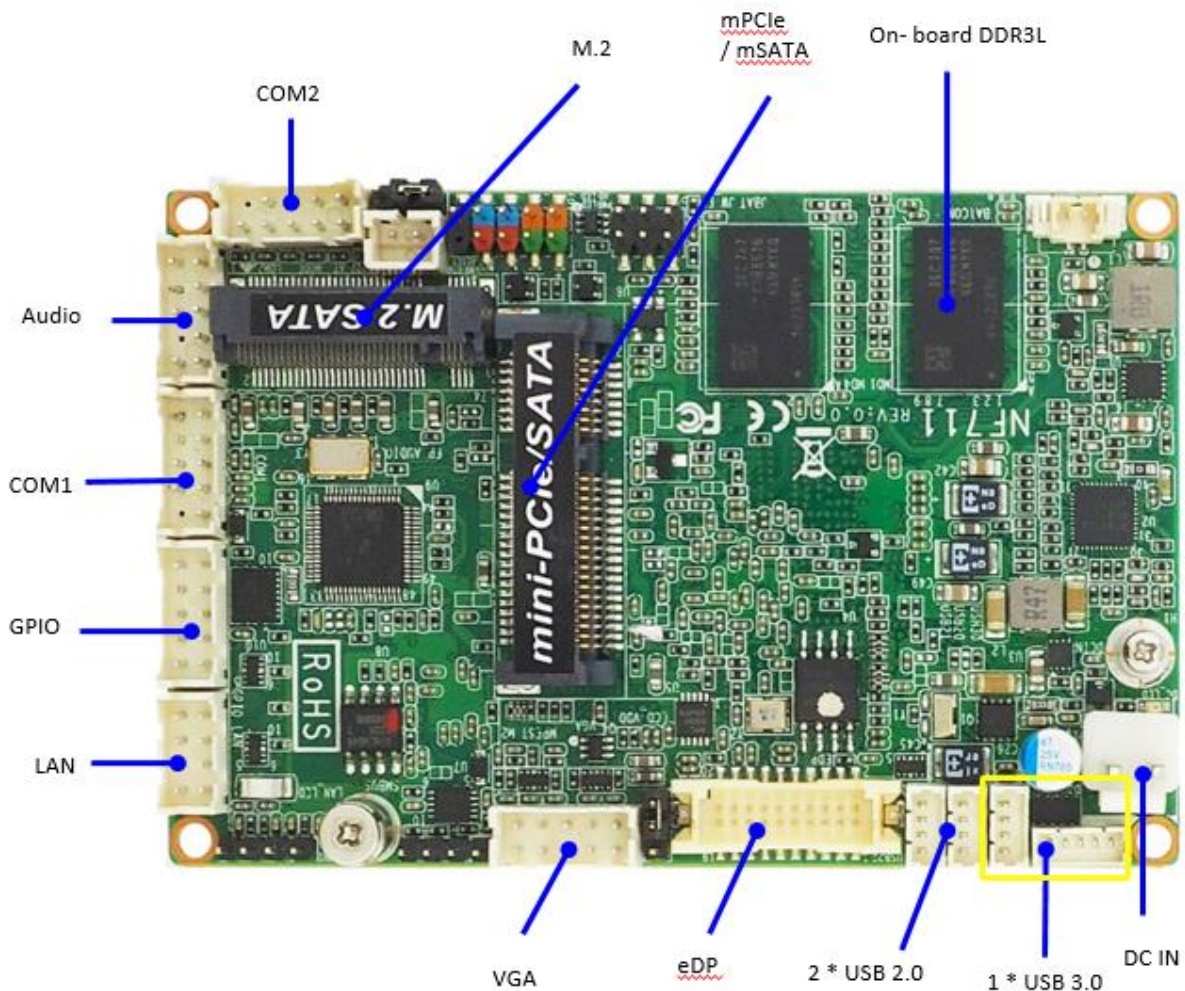
## Features

1. Intel® Baytrail N2807 SoC Processor
2. Support DDR3L, on-board 2GB memory
3. 1 \* Intel GbE
4. Support VGA and eDP pin header
5. Support M.2 (M key, SATA interface, 2242) storage
6. 2 \* Internal COM port
7. 1 \* Internal USB3.0 & 2 \* Internal USB2.0
8. 1 \* full size Mini-PCIe/mSATA slot
9. DC IN 5V power

## Application

- IoT
- Machine Control
- Intelligent Home

## Internal Diagram



## Specifications

### Model / Part Number

Model	- JNF711-2807
Part Number	- JNF711-2807

### From Factor

Dimensions	- 1.8" (84 * 55mm)
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### Processor System

CPU	- Intel® Baytrail N2807 Processor
Core Number	- (by CPU)
Max Speed	- (by CPU)
L2 Cache	- (by CPU)
Chipset	- SoC
BIOS	- AMI Flash ROM

### Expansion Slot

PCI	- 0
Mini-PCIe	- 1 (full size, shared with mSATA)
mSATA	- 1 (shared with mPCIe)
PCIe	- 0
M.2	- 1 (M key, SATA interface, 2242)
CFast Card Socket	- 0
CF Card Socket	- 0
SIM Card Holder	- 0

### Memory

Technology	- DDR3L 1067/1333 SDRAM
Max.	- 2GB on-board memory
Socket	- 0

### Graphics

Controller	- Intel® HD Graphics
VRAM	- Shared Memory
VGA	- 1 (INT pin header)
LVDS	- 0
eDP	- 1
HDMI 1.4	- 0
DVI-D	- 0
DisplayPort 1.2	- 0
MultiDisplay	- Dual

### Ethernet

Ethernet	- 10/100/1000/10G Mbps
Controller	- 1 * Intel i211AT GbE
Connector	- 0
<b>Audio</b>	
CODEC	- Realtek ALC662VD
Channel	- MIC/Line Out
<b>SATA</b>	
Max Data Transfer Rate	- N/A
<b>Rear I/O</b>	
VGA	- 0
DVI-D	- 0
HDMI	- 0
DisplayPort	- 0
Ethernet	- 0
USB	- 0
Audio	- N/A
Serial / Parallel	- 0 / 0
Reset button	- 0
PS/2	- 0
DC-input	- 0
<b>Internal Connector</b>	
USB	- 1 * USB3.0 & 2 * USB 2.0
PS/2	- 0
LVDS / inverter	- 0
eDP	- 1
VGA	- 1
Serial	- 2 (1 * RS232 & 1 * RS232/422/485)
SATA	- 0
mPCIe	- 1 (full size, shared mSATA)
Parallel	- 0
mSATA	- 1 (Shared)
M.2	- 1 (M key, SATA interface, 2242)
GPIO	- 1 (8 bit)
Chassis intrusion	- 0
Audio Header	- 1
SMBUS/ I2C	- 1
AT mode	- 1

TPM	- N/A
Others	- N/A
<b>Watchdog Timer</b>	
Output	- From Super I/O to drag RESETCON#
Interval	- 256 segments
<b>Power Requirements</b>	
Input PWR	- DC-in 5V Power
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, LVD
<b>Environment</b>	
Temperature	- Operating: 0°C ~ 60°C
	- Storage: -20°C ~ 85°C
<b>Warranty</b>	
Warranty	- 2 Years Limited Warranty
<b>Packing</b>	
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.

## Optional Accessories

Part Number	Description
	JNF711-2807 M/B
G01-PWDCJK-2P20-F	DC-in PWR cable
L01AS045-F	5V/5A 25W Adapter
	Power cord