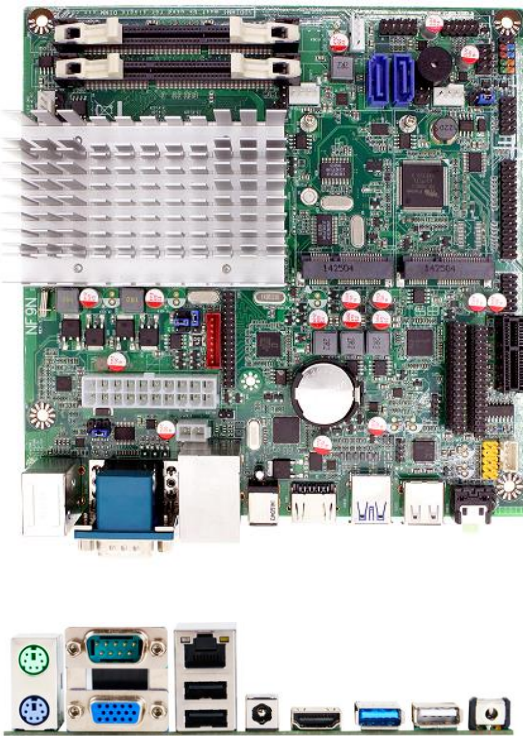
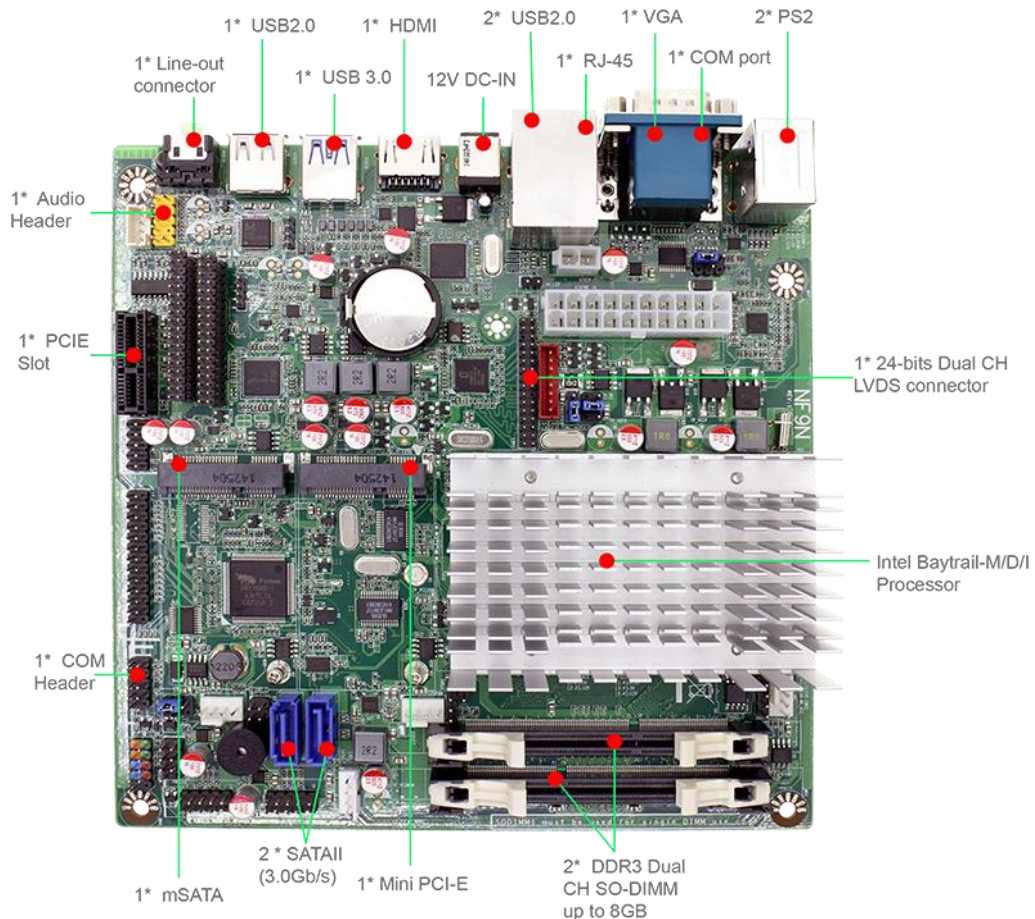
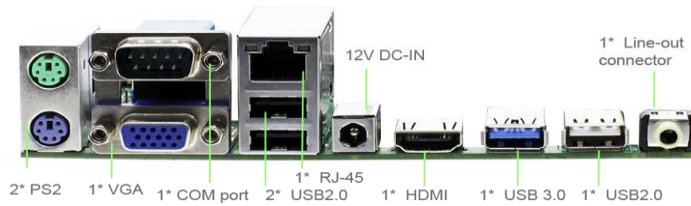


# Mini-ITX Motherboard

# NF9N Series



1. Intel® Bay Trail-D/M/I Processor
2. Supports 2 \* DDR3L 1333/1066MHz Single/Dual CH up to 4GB/8GB
3. Support 2 \* Serial ATAI (3Gb/s) Devices
4. Gigabit LAN : 1 \*Intel LAN
5. 1 \* mini-PCIe, 1 \* PCIe x1 slot, 1 \* mSATA
6. 1 \* External COM (RS232), 1 \* Internal COM (RS232)
7. 1 \* USB 3.0, 7 \* USB 2.0
8. 1 \* VGA, 1 \* HDMI, 1 \* LVDS
9. +12V DC-in jack
10. Support CPU Over-Temperature protection
11. Support CPU Over-Current/Under Voltage protection
12. Support DRAM Over-Current/Under Voltage protection
13. Support CPU Smart Fan






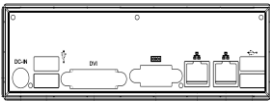
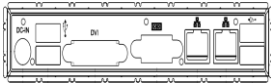


<b>Product Specifications</b>	
<b>Form Factor</b>	
Dimensions	- Mini-ITX ( 170 * 170mm)
<b>Processor System</b>	
CPU	- Intel Bay Trail-D/M/I Processor (default N2930 Celeron Processor)
Core Number	- N2930 : 4
Max Speed	- N2930 : 2.16GHz
L2 Cache	- N2930 : 2MB
Chipset	- SoC
BIOS	- AMI 64Mb Flash ROM
<b>Expansion Slot</b>	
PCI	- 0
Mini-PCIe	- 1
mSATA	- 1 (share with SATA2)
PCIe	- 1 (x1)
CFast Card Socket	- 0
CF Card Socket	- 0
<b>Memory</b>	
Technology	- Single/Dual Channel DDR3L 1333/1066 MHz SDRAM (By CPU)
Max.	- 4GB/8GB
Socket	- 2 * DDR3 SO-DIMM
<b>Graphics</b>	
Controller	- Intel® HD Graphics
VRAM	- Shared Memory
VGA	- 1
LVDS	- 1
HDMI	- 1
DVI	- 0
DisplayPort	- 0
MultiDisplay	- Yes (Dual Display)
<b>Ethernet</b>	
Ethernet	- 10/100/1000 Mbps
Controller	- GbE LAN: Intel I211AT
Connector	- 1 * RJ 45
<b>SATA</b>	
Max Data Transfer Rate	- 2 * SATAII (3.0Gb/s)
<b>Rear I/O</b>	
VGA	- 1

DVI	- 0
HDMI	- 1
DisplayPort	- 0
Ethernet	- 1
USB	- 4 (3 * USB 2.0 + 1 * USB3.0)
Audio	- 1 (Line-out)
Serial	- 1 (RS-232)
eSATA	- 0
PS2	- 1
DC-input	- 1
<b>Internal Connector</b>	
USB	- 4 ( 4 * USB 2.0 )
PS2	- 0
LVDS / inverter	- 1
VGA	- 0
Serial (COM)	- 1
SATA	- 2 * SATAII (3.0Gb/s)
mPCIe	- 1
Parallel	- 1
mSATA	- 1 (share with SATA2)
CIR	- 0
GPIO 8-bit	- 4in / 4 out
Chassis intrusion	- 1 (via 2pin header)
Audio Header	- 1
<b>Watchdog Timer</b>	
Output	- From Super I/O to drag RESETCON#
Interval	- 256 segments, 0,1,2...255sec/min
<b>Power Requirements</b>	
Input PWR	- +12V DC-In jack
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

\*For further information please visit the website at <http://www.jetwayipc.com>

\*The Specification may be changed without further notice.

Product Accessories				
<b>Parts</b>	<b>Manual</b>	<b>CD Driver</b>	<b>SATA cable</b>	<b>SATA Power cable</b>
<b>P/N</b>	G03-NF9N-F	G02-DVD20-A6-WF	G01-SATA-BK-B-2F	G01-PW4PS-2S-32F
<b>Q'ty</b>	1	1	2	1
<b>Picture</b>				
<b>Parts</b>	<b>COM cable</b>	<b>I/O Shield</b>	<b>I/O Shield</b>	
<b>P/N</b>	G01-COM9-30A-F	F04-MB-024-F	F04-MB-025-F	
<b>Q'ty</b>	1	1	1	
<b>Picture</b>				

Product Application					
	Panel PC (工業平板電腦)		Medical (醫療)		POE/Surveillance (安防監控)
V	Commercial (商業應用)	V	POS/KIOSK (零售系統)		Power (電力系統)
V	Banking (銀行金控)	V	Industrial Automation (工業自動化)		Mobile (移動系統)
	Military (軍方應用)		Transportation (交通)	V	Storage(Nas) (存儲系統)
	Digital Signage (數字標牌)		Telecom (通訊)		I.O.T(物聯網)
	Gaming (博奕)	V	Networking (網絡應用)		AIO(一体机)