



298.00 EUR

incl. 19% VAT, plus shipping

• **JNF531M-3160**

- Intel® Braswell Processor
- 1 \* DDR3L 1600MHz SODIMM, up to 8GB
- Support HDMI, Display Port, LVDS Triple Independent Displays
- 2 \* Intel i211AT GbE
- Integrated Realtek ALC662VD Audio CODEC with 6-CH
- 1 \* Serial ATAPI (6Gb/s)
- 1 \* External RS232(RJ45 Type) & 5 \* Internal COM (COM2 support RS232/422/485)
- 4 \* External USB3.0 & 2 \* Internal USB1.1/2.0
- 1 \* half size Mini PCIe, 1 \* M.2 (M-key, 2242)
- +9V~+36V Lockable DC-in Jack
- 3.5" SBC Form Factor (148mm \* 102mm)

## Form Factor

Dimensions

– 3.5" SBC ( 148X102 mm )

## Processor System

CPU

– Intel® Braswell N3160, 1.60Ghz

Core Number

– 4

Max Speed	– 2.24GHz
L2 Cache	– 2M
Chipset	– SoC
BIOS	– AMI 64Mb Flash ROM
<b>Expansion Slot</b>	
PCI	– 0
Mini-Pcie	– 1 (half size)
mSATA	– 0
<b>Memory</b>	
Technology	– 1 * DDR3L 1600MHz SODIMM
Max.	– 8GB
Socket	– 1 * SO-DIMM
<b>Graphics</b>	
Controller	– Intel® HD Graphics
VRAM	– Shared Memory
VGA	– 0
LVDS	– 1 (24-bits Dual Channel)
HDMI	– 1 (Max. Resolution: 3840 * 2160@30Hz,2560 * 1600@60Hz)

Display Port	– 1 (Max. Resolution: 3840 * 2160@30Hz,2560 * 1600@60Hz)
MultiDisplay	– Yes (Triple Independent Display)
<b>Ethernet</b>	
Ethernet	– 10/100/1000 Mbps
Controller	– Intel i211AT Gigabit LAN
Connector	– 2 * RJ 45
<b>Audio</b>	
CODEC	– HD Audio: Realtek ALC662VD
Channel	– 6 Channel
<b>SATA</b>	
Max Data Transfer Rate	– 1 * SATAIII (6.0Gb/s)
<b>Rear I/O</b>	
DisplayPort	– 1
HDMI	– 1
Ethernet	– 2
USB	– 4 * USB 3.0
Serial	– 1 (RJ45 Type)
DC-input	– 1 (+9V~+36V Lockable)

## Internal Connector

USB	– 2 * USB 2.0
LVDS / inverter	– 1
Serial	– 5 (4 * RS232, COM2 support RS232/422/485)
SATA	– 1 (SATAIII 6.0Gb/s)
mPCIe	– 1 (half size)
M.2	– 1 (M-key, 2242 SATA interface)
GPIO	– 1 (4in/4 out)
Chassis intrusion	– 1
Audio Header	– 1 (Line Out & MIC)
AT mode jumper	– 1

## Watchdog Timer

Output	– From Super I/O to drag RESETCON#
Interval	– 256 segments, 0,1,2...255sec/min

## Power Requirements

Input PWR	– 9V~+36V Lockable 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

## Certifications

Certifications

– CE, FCC, RoHS, REACH

## Environment

Temperature

– Operating: 0°C ~ 60°C

– Storage: -20°C ~ 85°C