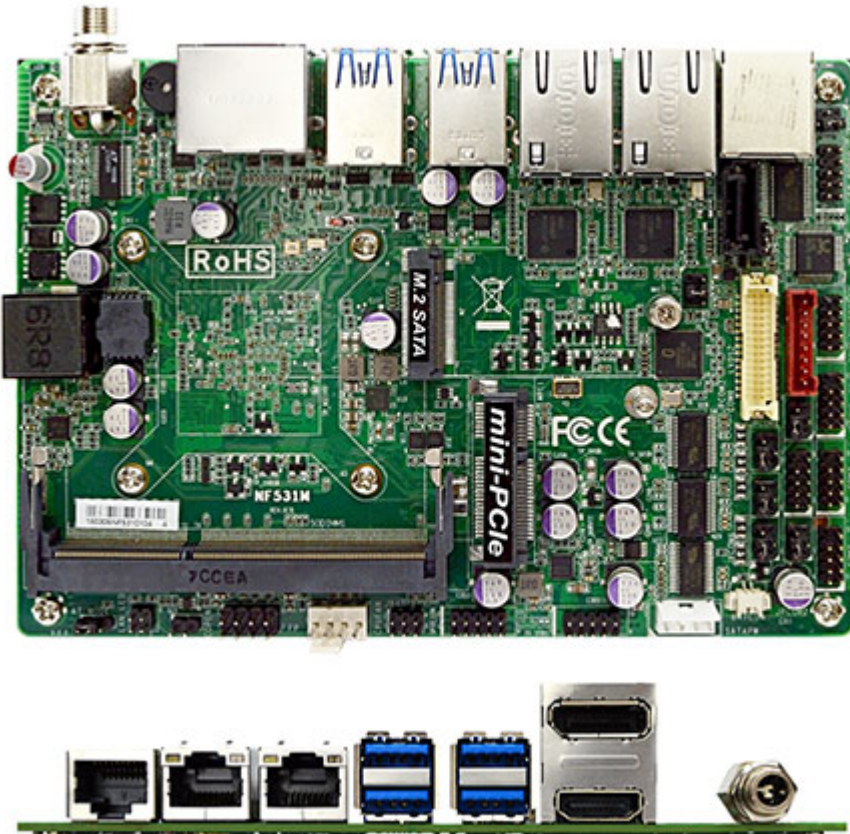




298.00 EUR  
incl. 19% VAT, plus [shipping](#)

- 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             |

## Expansion Slot

|           |                 |
|-----------|-----------------|
| PCI       | – 0             |
| Mini-Pcie | – 1 (half size) |
| mSATA     | – 0             |

## Memory

|                           |                                                          |
|---------------------------|----------------------------------------------------------|
| 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)                                  |
| <b>Internal Connector</b> |                                                          |
| 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                                                      |
| <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                 | – 9V~+36V Lockable DC-in jack                            |

|                       |                                                                                                                          |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------|
| Power On              | AT/ATX Supported<br>■ AT : Directly PWR on as Power input ready<br>■ 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                                                                                                  |