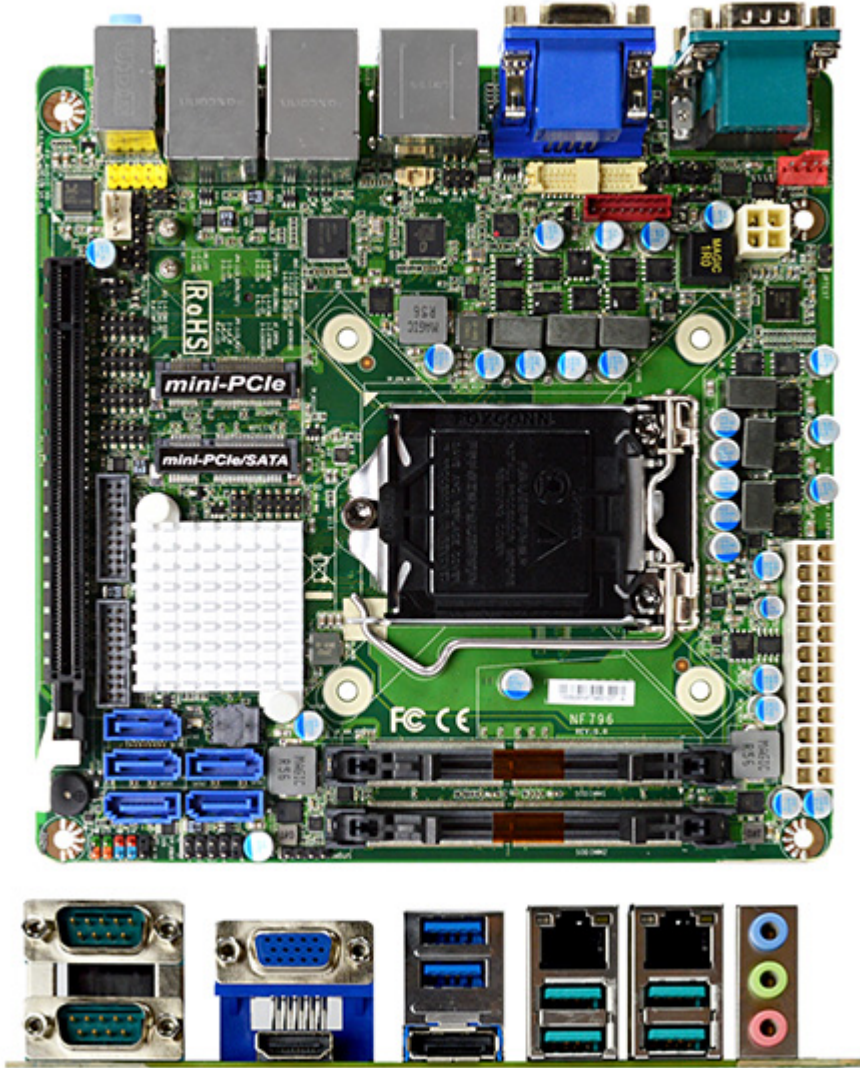


349.00 EUR  
incl. 19% VAT, plus [shipping](#)



The JETWAY JNF796-Q370 is Mini-ITX form factor board adopts the Intel® 8th generation Core i7/i5/i3, Pentium and Celeron Processor. The board supports two SO-DIMM DDR4 2400Mhz memory, up to 32GB. Featuring the integrated Intel® Gigabit Ethernet controller, the JNF796 offers two 10/100/1000Base-TX Ethernet devices for network transmission. Five SATAIII (6Gb/s) interface and one mSATA offer storage devices. One Mini PCIe interface, one M.2 (2230, E-key), four USB3.1 Gen.2 ports, six USB3.1 Gen.1 ports, two USB2.0 ports and six COM port provide versatile expansion. The PCIe x16 slot can support Jetway riser card for different expansion. The JNF796 offers one HDMI1.4 port, one DP1.4 port, one VGA port and one 24-bits Dual CH LVDS which can support 3 independent displays. Because of the above features, JNF796 is suitable for Digital Signage, Industrial PCs, Factory Automation, Public Sector, Digital Security and Surveillance applications.

- Intel® Coffee Lake Processor (TDP 65W)
- 2 \* DDR4 2400MHz SO-DIMM up to 32 GB (ECC for C246 only)
- 2 \* 10/100/1000 Base-TX Ethernet Ports
- 1 \* HDMI, 1 \* DP, 1 \* VGA, 1 \* 24-bits Dual CH LVDS
- 6 \* COM (COM1/2 support RS232/422/485), 4 \* USB3.1 Gen.2, 6 \* USB3.1 Gen.1 & 2 \* USB2.0
- 1 \* PCIe x16 slot, 1 \* mSATA (full size, share with Mini PCIe), 1 \* Mini PCIe slot (half size), 1 \* SIM card slot
- 5 \* SATA III (6Gb/s) support RAID 0, 1, 5, 10
- Support TPM1.2/2.0 (on board option)

| Model       |                                           |
|-------------|-------------------------------------------|
| Model       | – JNF796-Q370                             |
| Part Number | – JNF796-Q370                             |
| Form Factor |                                           |
| Dimensions  | – Mini-ITX (6.7-in * 6.7-in, 170 * 170mm) |

| Processor System       |                                                       |
|------------------------|-------------------------------------------------------|
| CPU                    | – Intel® LGA1151 Coffee Lake Processor (Max. TDP 65W) |
| Core Number            | – (by CPU)                                            |
| Max Speed              | – (by CPU)                                            |
| L2 Cache               | – (by CPU)                                            |
| Chipset                | – Q370                                                |
| BIOS                   | – AMI Flash ROM                                       |
| Expansion Slot         |                                                       |
| Mini PCIe              | – 2 (1* half size, 1* full size share with mSATA)     |
| mSATA                  | – 1 (full size, share with Mini PCIe)                 |
| PCIe                   | – 1 (PCIex16 slot)                                    |
| SIM Card slot          | – 1                                                   |
| Memory                 |                                                       |
| Technology             | – DDR4 2400MHz Dual CH SDRAM non-ECC                  |
| Max.                   | – 32GB                                                |
| Socket                 | – 2 * SO-DIMM                                         |
| Graphics               |                                                       |
| Controller             | – Intel® HD Graphics                                  |
| VRAM                   | – Shared Memory                                       |
| VGA                    | – 1 (Max Resolution: 1920×1200@60Hz)                  |
| HDMI 1.4               | – 1 (Max Resolution: 4096×2160@30Hz)                  |
| DisplayPort            | – 1 (Max Resolution: 4096×2304@60Hz)                  |
| Multi Display          | – Triple Displays                                     |
| Ethernet               |                                                       |
| Ethernet               | – 10/100/1000 Mbps                                    |
| Controller             | – 2 * Intel GbE (1 * i219LM, 1 * i211AT)              |
| Connector              | – 2 * RJ45                                            |
| Audio                  |                                                       |
| CODEC                  | – HD Audio: Realtek ALC662                            |
| Channel                | – 6 Channel                                           |
| SATA                   |                                                       |
| Max Data Transfer Rate | – 5 * SATAIII support RAID 0, 1, 5, 10                |
| Rear I/O               |                                                       |
| VGA                    | – 1                                                   |
| HDMI                   | – 1                                                   |
| DisplayPort            | – 1                                                   |
| Ethernet               | – 2                                                   |
| USB                    | – 4 * USB 3.1 (Gen. 2) & 2 * USB3.1 (Gen. 1)          |
| Audio                  | – 3 (Line-In, Line-Out, MIC)                          |
| Serial                 | – 2 (COM 1/2 support RS232/422/485)                   |
| Internal Connector     |                                                       |
| USB                    | – 4 * USB3.1 (Gen. 1), 2 * USB 2.0                    |
| PS/2                   | – 1                                                   |
| LVDS / inverter        | – 1                                                   |
| Serial                 | – 4                                                   |

|                   |                                                     |
|-------------------|-----------------------------------------------------|
| SATA              | – 5 * SATAIII                                       |
| SIM card slot     | – 1                                                 |
| mPCIe             | – 2 (1 * half size, 1 * full size share with mSATA) |
| mSATA             | – 1 (full size share with mPCIe)                    |
| GPIO              | – 1 (8 bit)                                         |
| Chassis intrusion | – 1                                                 |
| Audio Header      | – 1                                                 |
| SMBUS/ I2C        | – 1                                                 |
| AT mode           | – 1                                                 |
| TPM               | – 1 (on board option)                               |

## Watchdog Timer

|          |                                    |
|----------|------------------------------------|
| Output   | – From Super I/O to drag RESETCON# |
| Interval | – 256 segments (10sec ~ 255min)    |

## Power Requirements

|           |                                                                                                                           |
|-----------|---------------------------------------------------------------------------------------------------------------------------|
| Input PWR | – ATX PWR (4+24 pin)                                                                                                      |
| 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 |

## Certifications

|                |                             |
|----------------|-----------------------------|
| Certifications | – CE, FCC, LVD, RoHS, REACH |
|----------------|-----------------------------|

## Environment

|             |                                                    |
|-------------|----------------------------------------------------|
| Temperature | – Operating: 0°C ~ 60°C<br>– Storage: -20°C ~ 85°C |
|-------------|----------------------------------------------------|

## Warranty

|          |                            |
|----------|----------------------------|
| Warranty | – 2 Years Limited Warranty |
|----------|----------------------------|