Jetway NF9J Q87 Mini-ITX Motherboard

**Processor**
4th Generation Intel® Core i7 / i5 / i3 / Pentium Processor
Socket LGA 1150 (Formerly Haswell)

**Chipset**
Intel Q87 (AKA Lynx Point)

**Memory**
2 x 204-pin SODIMM DDR3-1600 Dual Channel (up to 16 GB)

**Graphics**
Requires Intel Core processor with Intel HD 4000/5000 Graphics

**Audio**
Realtek ALC662 5.1 Channel Audio

**LAN**
1 x Intel I217LM PHY Gigabit LAN (iAMT 9.0)
1 x Intel 82574L PCI-E Gigabit LAN

**Storage**
5 x SATA3 6Gb/s Ports with RAID 0, 1, 5, 10, JBOD
1 x Shared mSATA/mini-PCI Express slot (Full-size)

**Super IO**
FINTEK F81866
- Long-Life Embedded Class Industrial Motherboard with Planned Lifecycle Through Q4'2018
- Intel HD 4000/5000 Graphics, DirectX 11.1
- Intel vPro Technology Eligible
- Intel RST and Smart Response Technology
- ECO-design for EuP/ErP
- 8-bit Watchdog
- AMI EFI 64MB DIP Flash ROM
- Support up to Three Independent Displays, HDMI, DVI, VGA, 24bit LVDS
- Support CPU Smart FAN
- Support iAMT 9.0 Function
- Support Intel VT-d, TXT

**Back Panel Connectors**
1. RS232/422/485 jumperless com port
1. RS232 Serial port
1. HDMI (up to 1920 x 1200)
2. USB 3.0
1. VGA (up to 2048 x 1536)
1. DVI-D (up to 1920 x 1200)
4. USB 2.0
2. RJ45 LAN (10/100/1000)
3. 3.5mm Audio

**Onboard I/O Connectors**
1. PCI-E 3.0 x16 Slot (by 16-lane)
1. Shared mSATA/mini-PCI Express slot (Full-size)
5. SATA3 6Gb/s Connectors
1. USB Pin Headers for up to 2 additional USB 3.0 Ports
2. USB Pin Headers for up to 4 additional USB 2.0 Ports
1. 24-bits Dual Channel LVDS connector/Inverter
1. 9-pin Audio header
2. Serial Headers (1 * RS232, 1 * RS232/422/485)
1. GPIO header
1. CIR header
Chassis Intrusion header
PS2 Keyboard/Mouse header
Front Panel header
Fan headers
24-pin ATX Power Connector
4-pin 12V ATX Power Connector

Market Segments Supported
✓ Digital Security & Surveillance
✓ Digital Signage
✓ Gaming
✓ Industrial Automation/Control
✓ Medical
✓ Retail (POS/Kiosk/ATM)
✓ Networking/Storage Server-Mail Server/Print Server
✓ Thin Client
✓ HTPC

† Depends on specific processors to support VT-d & TXT, please visit Intel website for details.