

2011

# IPC

## Mini-ITX Motherboard

### NF9AR-Q67

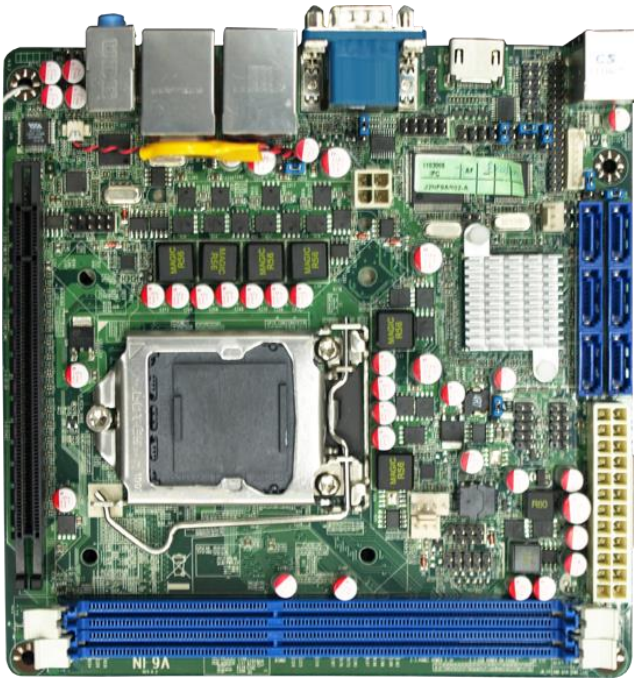
Based on Intel® Q67 Sandy Bridge Platform



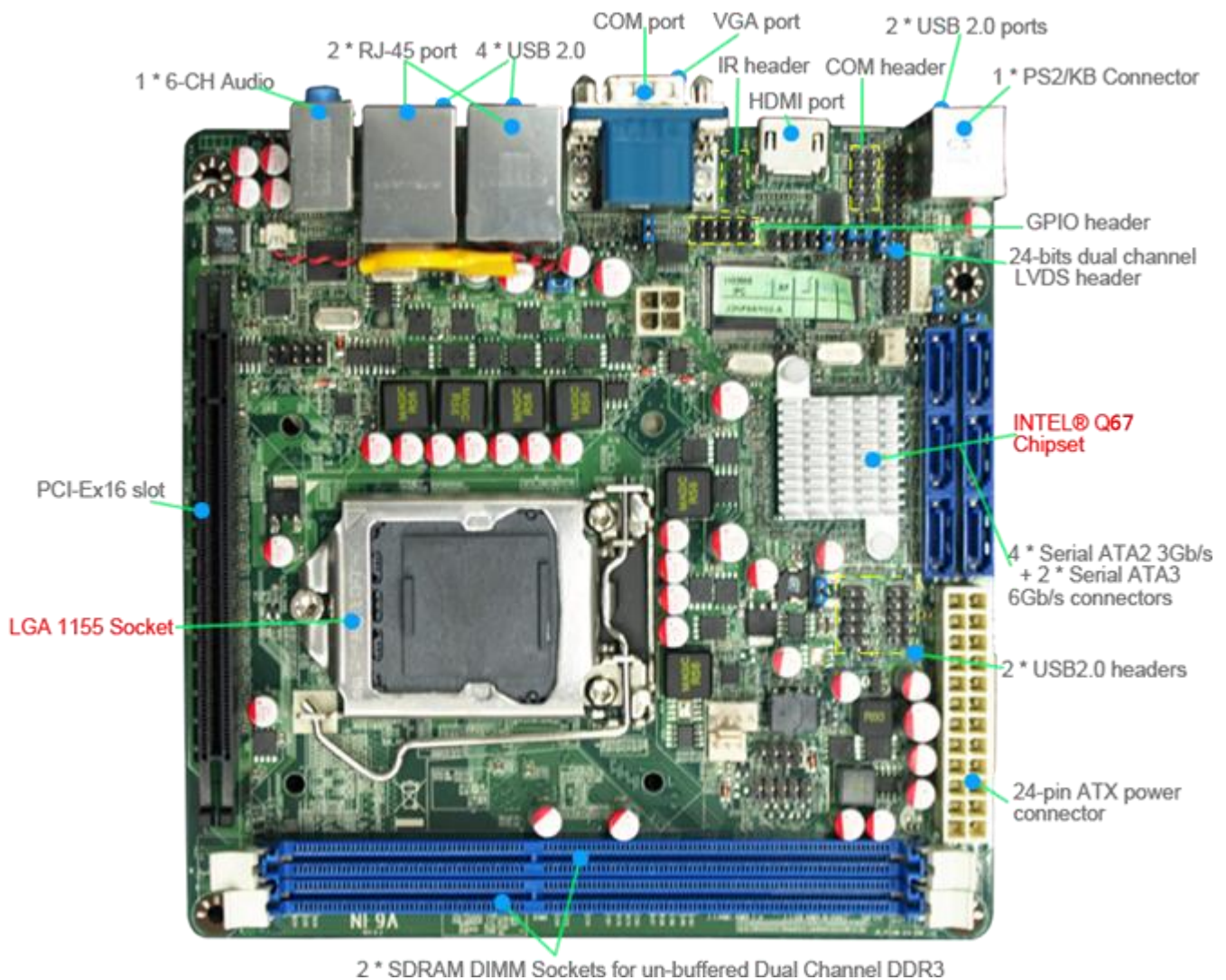
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## Mini-ITX Motherboard



1. Intel® Q67 Express Chipset
2. Socket LGA 1155 for Intel Core i3, i5, i7 Processors
3. Dual Channel DDR3-1066/1333 up to 16GB
4. Intel 82579LM & 82574L PCI-E Gigabit LAN
5. Intel Active Management Technology (iAMT 7.0)
6. 2 \* SATA2 6Gb/s & 4 \* SATA2 3Gb/s with RAID
7. 24-bit Dual Channel LVDS & Inverter
8. PCI Express 2.0 x16 slot, VGA/HDMI Video Outputs
9. All Solid Polymer Capacitors for Improved Reliability
10. Watchdog Timer, HD Audio, AMI EFI BIOS
11. Industrial Embedded Platform with 5-Year Availability



## Specifications

<b>Model No:</b>	<b>NF9AR</b>
<b>Part No:</b>	<b>JNF9AR-Q67</b>
<b>Processor</b>	LGA 1155 for Intel Core i3, i5, i7 & Pentium Sandy Bridge processors, Supports Turbo Boost 2.0, 64-bit, Hyper-Threading, Virtualization (VT-d), and Intel HD graphics on selected models*
<b>Chipset</b>	Intel Q67 Express chipset
<b>Video</b>	Intel HD graphics built into processors
<b>Memory</b>	2 * 240-pin DIMM Sockets for un-buffered dual channel DDR3-1066/1333 up to 16GB
<b>Expansion Slots</b>	1 * PCI Express 2.0 x16
<b>Storage</b>	2 * SATA3 6Gb/s, 4 * SATA2 3Gb/s, RAID 0, 1, 5, 10, JBOD
<b>LAN</b>	1 * Intel 82579LM PCI-E gigabit LAN 1 * Intel 82574L PCI-E gigabit LAN Intel Active Management Technology (iAMT 7.0)
<b>Audio</b>	Realtek ALC662 HD Audio (NF9AR-Q67) VIA VT1705 HD Audio (NF9A-Q67)
<b>LVDS</b>	Onboard 24-bit dual channel LVDS & inverter
<b>USB</b>	10 * USB 2.0 ports total
<b>Watchdog</b>	Watchdog system reset timer, 4-255 sec/min
<b>Rear I/O Ports</b>	1 * PS/2 KB/Mouse combo connector 6 * USB 2.0 ports, 2 * RJ-45 port, 1 * HDMI port, 1 * VGA port 1 * Serial port (RS232) 3 * Audio jacks (line-in, line-out, mic)
<b>Internal I/O Ports</b>	2 * USB headers for 4 USB 2.0 ports 3 * Fan headers, 1 * IR header, 1 * 8-bit GPIO 1 * Serial header (RS232/422/485) 1 * Chassis intrusion header 2 * 24-pin ATX & 4-pin 12V power connectors
<b>BIOS</b>	AMI EFI 64MB SMT Flash ROM
<b>Compliance</b>	CE, FCC, ErP
<b>Temperature</b>	Operating: 0 – 60° C, Storage: -20 – 85° C
<b>Form Factor</b>	Mini-ITX, 170mm x 170mm
<b>Warranty</b>	2 Years limited warranty

Specifications subject to change without notice, not responsible for typographical errors.

\* See Intel website for detailed processor specifications



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