

2012

ATX

Industrial Motherboard

NAF93-Q77

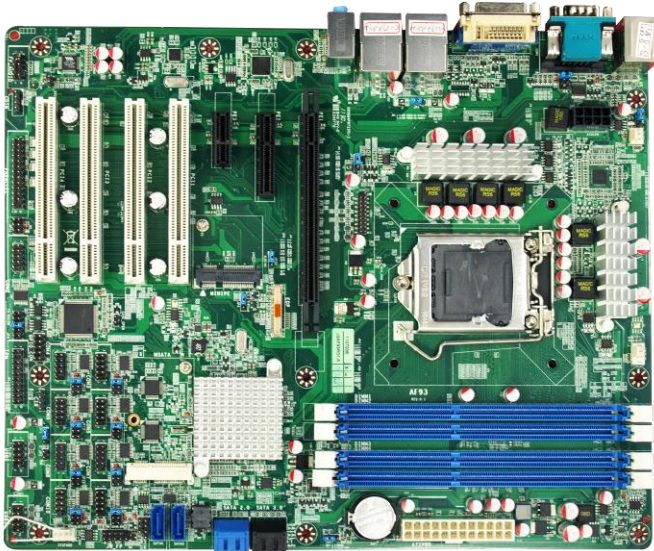
Based on Intel® Q77 Panther Point Platform for Ivy Bridge



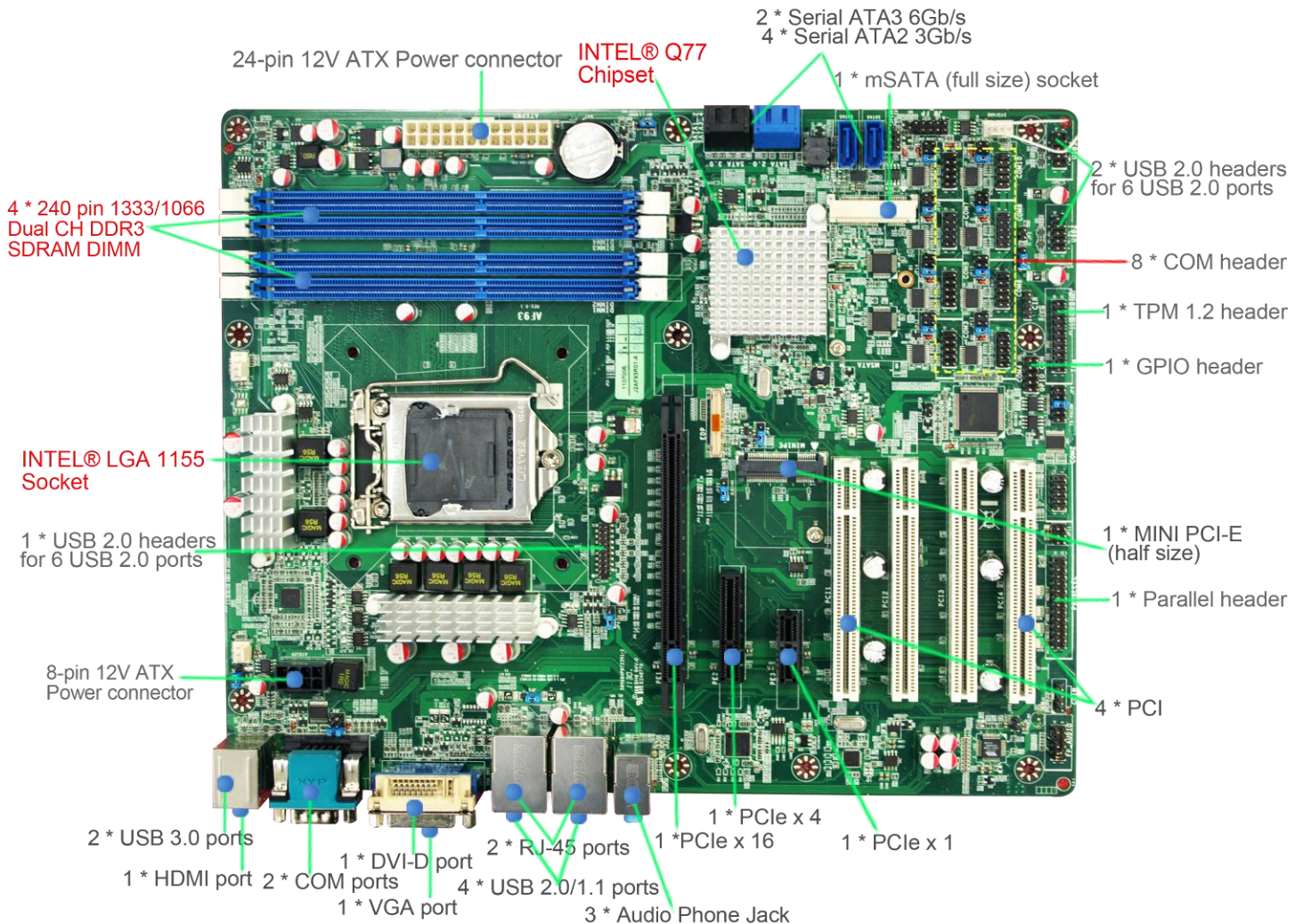
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NAF93-Q77 ATX Industrial Motherboard



1. Intel® Q77 Express Chipset
2. Socket LGA 1155 for 3rd generation Intel Core i3, i5, i7 Processors
3. Dual Channel DDR3-1066/1333 up to 32GB
4. Intel 82579LM & 82574L PCI-E Gigabit LAN
5. Intel Active Management Technology (iAMT 8.0)
6. 2 * SATA2 6Gb/s, 4 * SATA2 3Gb/s with RAID
7. 1 * mSATA Slot for Embedded SSD
8. 1 * PCI-E 3.0 x16, 1 * PCI-E x4, 1 * PCI-E x1, 4 * PCI
9. 1 * PCI Express Mini Card Slot (half-size)
10. 10 * Serial Ports Onboard, TPM 1.2 Header
11. All Solid Polymer Capacitors for Improved Reliability
12. Industrial Embedded Platform with 5-Year Availability



NAF93-Q77 Specifications

Model No:	NAF93
Part No:	JNAF93-Q77
Processor	Socket LGA 1155 for 3 rd -generation Intel Core i3, i5, i7 & Pentium processors (Ivy Bridge), Supports Turbo Boost 2.0, 64-bit, Hyper-Threading, Virtualization (VT-d), and Intel HD graphics on selected models*
Chipset	Intel Q77 Express chipset
Video	Intel HD graphics built into processors"
Memory	4 * 240-pin DIMM Sockets for un-buffered dual channel DDR3-1066/1333 up to 32GB
Storage	2 * SATA3 6Gb/s supporting RAID 0, 1 and 4 * SATA2 3Gb/s supporting RAID 0, 1, 5, 10 1 * mSATA 3Gb/s for embedded SSD
Expansion Slots	1 * PCI Express 3.0 x16, 1 * PCI Express x4, 1 * PCI Express x1, 4 * PCI
LAN	1 * Intel 82579LM PCI-E gigabit LAN 1 * Intel 82574L PCI-E gigabit LAN Intel Active Management Technology (iAMT 8.0)
Audio	Realtek ALC662 6-CH HD Audio
Watchdog	Watchdog system reset timer, 10-255 sec/min
Rear I/O Ports	4 * USB 2.0 ports 2 * USB 3.0 ports 2 * RJ-45 port 1 * HDMI port, 1 * DVI-D port, 1 * VGA port 2 * Serial ports (RS232) 3 * Audio jacks (line-in, line-out, mic)
Internal I/O Ports	3 * USB headers for 6 * USB 2.0 ports 3 * Fan headers,, 1 * CIR header, 1 * 8-bit GPIO 8 * Serial headers (7 * RS232, 1 * RS232/422/485) 1 * Chassis intrusion header, 1 * TPM 1.2 header, 1 * Parallel header 1 * 24-pin ATX & 8-pin 12V power connector
BIOS	AMI EFI 64MB SMT Flash ROM
Compliance	CE, FCC, RoHS
Temperature	Operating: 0 – 60° C, Storage: -20 – 85° C
Form Factor	ATX, 305mm x 244mm
Warranty	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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