

# SUPER<sup>®</sup> X9SCV-Q Specifications

## Key Features

1. Intel® 2nd Generation Core™ i7/i5/i3 processor, rPGA989/988B socket
2. Intel® QM67 Express Chipset
3. 1 PCI-E 2.0 x16 slot
4. Up to 16GB non-ECC Unb. DDR3 1066/1333MHz SO-DIMM
5. 2 SATA 3.0, 6Gb/s (RAID 0, 1) & 4 SATA 2.0 3Gb/s (RAID 0, 1, 5, 10)
6. Intel Integrated Graphics
7. 2 HDMI ports plus VGA D-Sub connector
8. HD Audio Header, S/PDIF Header by Realtek ALC889
9. Dual LAN with Intel® 82579LM + 82574L Gigabit Ethernet
10. 14 USB 2.0 ports, 6 rear, 6 via headers, 2 type A (vertical ) ports
11. UEFI BIOS support
12. vPro AMT 7.0, TPM 1.2 onboard



## Processor/Cache

Processor	Intel® 2nd Generation Core™ i7/i5/i3 processor. rPGA989/988B socket
Cache	Up to 8 MB
Turbo Bus	QPI up to 2.0 GT/s

## Chipset

Intel® QM67 Express chipset  
Dual LAN with Intel® 82579LM + 82574L Gigabit LAN  
Nuvoton NCT6776F Super I/O chip

## System Memory

Memory Capacity	2 DIMM sockets for up to 16GB(DC) of DDR3 non-ECC, un-buffered SO-DIMM memory
Memory Type	DDR3 1333/1066MHz SDRAM
DIMM Sizes	Supports 512MB, 1GB, 2GB, 4GB, 8GB
Memory Voltage	1.5V

## Integrated On-Board

LAN	Dual Intel Gigabit LAN
AUDIO	ALC889 HD audio
SATA 3	2 SATA 3.0, 6Gb/s ; RAID 0, 1
SATA 2	4 SATA 2.0, 3Gb/s; RAID 0, 1, 5, 10
Super I/O	Nuvoton NCT6776F

## Expansion Slots

PCI Express	1 PCI-E 2.0 x16 slot
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## Onboard I/O ports

SATA 3	2 SATA 3.0 ports (6 Gbps)
SATA 2	4 SATA 2.0 ports (3 Gbps)
USB	14 x USB 2.0 ports (6 rears + 6 via headers + 2 vertical type A)
LAN	2 x RJ45 ports
AUDIO	S/PDIF header
Serial ports	2 COM ports (1 rear, 1 header)
DOM (Disk on Module)	1 x DOM power connector
Keyboard/Mouse	1 x PS/2 port

## Desktop Management

Hardware	Watch Dog, NMI, Chassis intrusion,
Thermal Control	Overheat LED indication, thermal control tachometer fan connectors
PC Health Monitoring	Monitors CPU voltages, +3.3V, +5V, +12V & +5V standby and total of three 3-pin fan headers with tachometer monitoring, chassis intrusion header
Other Features	ACPI power management, control of power-on mode for recovery from AC power loss, TM1 & CPU thermal trip support for processor protection
BIOS	AMI 64Mb SPI Flash ROM

## Mechanical

Recommended Chassis	Desktop & workstation (TBD)
Board Size	mini ITX 6.7" x 6.7", 8 layers