



# Maximizes Performance for Your Enterprise



**QSSC - 890**

**QSSC - 98J**

**QSSC - 980**

## We know you care...

**Performance-per-watt**

**Performance-per-dollar**

- Optimized for Intel® Xeon® 5500 platform
- Supports two dual/quad core Nehalem-EP processors
- Up to 96 GB DDR3 memory support (via 12 DIMMs)
- Policy-based control on power budget
- Onboard KVM over IP with dedicated LAN support
- Up to 9x the performance compared to installed single-core servers

This series of servers supports two dual/quad core Nehalem-EP processors and up to 96 GB DDR3 memory. It brings immediate performance scaling up and is ideal for high performance computing application and virtualization. Optional RAID 0, 1, 10, 5 function and redundant fan/power supply increase server reliability and availability. Onboard ME (Management Engine) allows policy-based control on power budget. IPMI v2.0/ KVMoIP with dedicated LAN support eases the server management.

# QSSC-890 QSSC-98J QSSC-980



	QSSC-890	QSSC-98J	QSSC-980
<b>Dimension (WxHxD, inch)</b>	16.9"x1.67"x20"	16.9"x1.7"x27.8"	16.9"x3.5"x28"
<b>Peripheral Drives</b>	Slim DVD-Combo x1	Slim DVD-Combo x1 (optional)	N/A
<b>HDD Bays</b>	2 SAS/SATAII Hot-Swap (3.5" HDD Bays)	4x3.5" or 10x2.5" SAS/SATAII Hot-Swap	12x3.5" SAS/SATAII Hot-Swap (3.5" HDD Bays)
<b>Front I/O</b>	USB (v2.0) x2	USB (v2.0) x2	USB (v2.0) x2
<b>Rear I/O</b>	PS/2 x2, COM x1, VGA x1, USB (v2.0) x2, RJ-45 x3	PS/2 x2, COM x1, VGA x1, USB (v2.0) x2, RJ-45 x3	PS/2 x2, COM x1, VGA x1, USB (v2.0) x2, RJ-45 x3
<b>Power Supply</b>	80+ Certified, 400W AC High-efficiency PSU w/ PFC	80+ Certified, 500W or 80+ Gold 650W AC Redundant High-efficiency PSU w/ PFC	80+ Gold 750W AC Redundant High-efficiency PSU w/ PFC
<b>M/B Form Factor</b>	12"x10.5" (SSI CEB)	12"x13" (SSI EEB)	12"x13" (SSI EEB)
<b>Processor Support Number (Max) / Type</b>	2 Multi-Core Intel® Xeon® processors 5500 sequence	2 Multi-Core Intel® Xeon® processors 5500 sequence	2 Multi-Core Intel® Xeon® processors 5500 sequence
<b>Socket</b>	FC-LGA1366 Socket B	FC-LGA1366 Socket B	FC-LGA1366 Socket B
<b>Intel® QuickPath Interconnect (QPI)</b>	up to 6.4 GT/s	up to 6.4 GT/s	up to 6.4 GT/s
<b>Chipset</b>	Intel® 5500 (Tylersburg) MCH + ICH10R	Intel® 5520 (Tylersburg) MCH + ICH10R	Intel® 5520 (Tylersburg) MCH + ICH10R
<b>Memory Support Type</b>	DDR3, 1333 / 1066 / 800MHz ECC Registered / ECC Unbuffered DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs	DDR3, 1333 / 1066 / 800MHz ECC Registered / ECC Unbuffered DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs	DDR3, 1333 / 1066 / 800MHz ECC Registered / ECC Unbuffered DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
<b>Memory Slots / Capacity (Max)</b>	6x 240pin DIMM, 3 channels, Max 48GB for Registered; Max 12GB Unbuffered	12x 240pin DIMM, 6 channels, Max 96GB for Registered; Max 24GB Unbuffered	12x 240pin DIMM, 6 channels, Max 96GB for Registered; Max 24GB Unbuffered
<b>PCI Expansion</b>	PCI-E (x8) Gen2 (Full Height) slot x2	PCI-E (x16) Gen2 (Full Height) slot x1	PCI-E (x8) Gen2 (Full Height) slot x2
<b>Integrated Graphics (Video)</b>	AST2050 embedded VGA w/8MB DDR2 Video Memory	AST2050 embedded VGA w/8MB DDR2 Video Memory	AST2050 embedded VGA w/8MB DDR2 Video Memory
<b>Integrated LAN</b>	Intel® Dual Gigabit Ethernet connections, Aspeed AST2050 (dedicated for IPMI)	Intel® Dual Gigabit Ethernet connections, Aspeed AST2050 (dedicated for IPMI)	Intel® Dual Gigabit Ethernet connections, Aspeed AST2050 (dedicated for IPMI)
<b>LAN Specification</b>	10/100/1000 BASE-TX x2 10/100 BASE-TX x1	10/100/1000 BASE-TX x3	10/100/1000 BASE-TX x3
<b>SAS controller</b>	LSI 1064E SAS 3.0Gb/s	QSSC Mezz 1064E with LSISAS1064E onboard (optional) QSSC Mezz 1068E with LSISAS1068E onboard (optional)	QSSC Mezz 1064E with LSISAS1064E onboard (optional) QSSC Mezz 1068E with LSISAS1068E onboard (optional)
<b>SATA controller</b>	Intel® ICH10R SATAII 3.0Gb/s	Intel® ICH10R SATAII 3.0Gb/s	Intel® ICH10R SATAII 3.0Gb/s
<b>RAID Function Support</b>	SATA RAID 0,1 SAS/SATA RAID 0,1	SATA RAID 0,1,10,5; SAS/SATA RAID 0,1,10,5 (optional via QSSC Mezz 1064E/1068E & iButton)	SATA RAID 0,1,10,5; SAS/SATA RAID 0,1,10,5 (optional via QSSC Mezz 1064E/1068E & iButton)
<b>KVM over IP</b>	AST2050	AST2050	AST2050
<b>RoHS</b>	Yes	Yes	Yes
<b>Server Management Support</b>	IPMI v2.0	IPMI v2.0	IPMI v2.0