



# Viglen IX3320/RS Server

IT's Personal



**A powerful server in an Ultra Thin Chassis, the Viglen IX3320/RS is optimised for high-density environments measuring only 1U.**

The Viglen IX3320/RS server delivers enterprise-level performance and resilience in a space saving 1U package. It supports up to eight hot-swap SAS or SATA drives without sacrificing the optical drive. The integrated active midplane2 SAS controller supports up to RAID 6, optional upgrades also allow for high density storage. A highly flexible design, with multiple optional I/O expansion and redundancy options, makes the IX3320/RS server the perfect solution whether you need performance or capacity in a small space.



Great  
Minds  
Think



# Viglen IX3320/RS Server

## Faster and Smarter

The next generation of Viglen workgroup servers adapt to application behaviour by automatically adjusting processing power to deliver maximum performance, scaling energy usage to the workload and offering best-in-class virtualisation – all while allowing manual configuration for greater IT control.

## Server Management

All Viglen Servers ship with Intel® System Management Software, a suite of tools that simplifies IT management. The Intel® Deployment Toolkit reduces the set-up time associated with deploying a new server. Intel® Active System Console is a simple way to monitor the health of your server hardware.

## Intelligent Performance

The Intel® Xeon® Processor 5500 series, based on next-generation Intel® micro architecture, intelligently delivers the best possible performance. Intel® Turbo Boost Technology automatically increases frequency when conditions allow. Intel® Hyper-Threading Technology increases performance for multi-threaded applications or multitasking scenarios. Intel® QuickPath Technology offers best-in-class bandwidth and memory.

## Scaling Power Consumption

With Intel® Intelligent Power Node Manager you can use the policy-based power and thermal management to reduce energy costs even as rack density is increased.

## Flexible Virtualisation

Intel® Virtualisation Technology (Intel VT) is specifically designed to maximise hardware utilisation in a virtualisation environment. It also allows different generations of Intel Xeon processors to exist within the same virtualisation pool. With built-in hardware assistance it delivers peak performance during high-use periods, improving flexibility for failover, load balancing and disaster recovery and enabling the reduction of energy cost during low-use periods.



## Specification

<ul style="list-style-type: none"> <li>◆ <b>Form Factor</b> 1U Rack</li> <li>◆ <b>Server board</b> Intel® Server Board S5520UR</li> <li>◆ <b>Chipset</b> Intel® 5520 Chipset with ICH10R</li> <li>◆ <b>Processor Support</b> Intel® Xeon® 5500 series processors (code named Nehalem)</li> <li>◆ <b>Number of Processors Supported</b> Up to two</li> <li>◆ <b>Intel® QPI (GT/s)</b> 4.80, 5.86 and 6.40 GT/sec</li> <li>◆ <b>Memory</b> Up to 96GB DDR3 Registered DIMMs (800/1066/1333MHz)</li> <li>◆ <b>Total Memory Slots</b> Twelve DIMM sockets through 6 memory channels</li> <li>◆ <b>Drive Bays</b> Eight Hot Swap 2.5" SATA/SAS HDD bays</li> <li>◆ <b>RAID Support</b> <b>Integrated</b> <ul style="list-style-type: none"> <li>• Active midplane-2 with pass through SATA/SAS using LSI MegaRAID Technology providing RAID 0, 1 and 10</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>◆ <b>Optional</b> <ul style="list-style-type: none"> <li>• Intel Activation Key with 512MB Cache enabling hardware RAID 0, 1, 10, 5 and 6 (UDCRSRU1)</li> <li>• Intel® Smart Battery (PDCRSR03)</li> </ul> </li> <li>◆ <b>Optical Bay</b> One slim SATA optical drive bay</li> <li>◆ <b>Integrated LAN</b> Embedded Intel® Dual Gigabit Controller with Intel® Virtualization Technology</li> <li>◆ <b>Integrated Graphics</b> Onboard graphics with 8MB</li> <li>◆ <b>Add-in card support</b> <ul style="list-style-type: none"> <li>• One Intel® I/O Expansion Module</li> <li>• One full-height (PCI Express x16)</li> </ul> </li> <li>◆ <b>Optional Expansion Modules</b> <ul style="list-style-type: none"> <li>• Dual Gigabit Ethernet (CNCEP10M)</li> <li>• Quad-port Gigabit Ethernet (CNCEP40M)</li> <li>• 4 port external SAS (PSXSR002)</li> <li>• Single port Mellanox SDR InfiniBand (PSXSR003)</li> <li>• Dual-port CX4 10 Gigabit Ethernet (CNCEPCXM)</li> </ul> </li> <li>◆ <b>Server Management</b> <ul style="list-style-type: none"> <li>• Intel® Server Management Software 3.1</li> <li>• Intel® Deployment Assistant 3.0</li> </ul> </li> <li>◆ <b>Management Hardware</b> <b>Integrated</b> <ul style="list-style-type: none"> <li>• IPMI 2.0 baseboard management controller</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>◆ <b>Optional</b> <ul style="list-style-type: none"> <li>• Intel® Remote Management Module 3 (PSXSRMU3)</li> </ul> </li> <li>◆ <b>System Cooling</b> Five Non redundant dual-rotor fans</li> <li>◆ <b>Power Supply</b> 650-watt 1+0 high efficiency, hot swap, redundant capable</li> <li>◆ <b>Front Panel Features</b> <ul style="list-style-type: none"> <li>• Power LED</li> <li>• System status LED</li> <li>• System ID LED</li> <li>• Power/sleep switch</li> <li>• NMI switch</li> <li>• System ID switch</li> <li>• Bootable USB 1.1 connection</li> </ul> </li> <li>◆ <b>Rackmount Kits</b> <b>Included</b> Basic rail kit. (Does not support Cable Management Arm.) <b>Optional</b> <ul style="list-style-type: none"> <li>• Full extending rail kit (PSXSRUFR)</li> <li>• Cable Management Arm be used with (PSXSRUCM)</li> </ul> </li> <li>◆ <b>Dimensions (H x W x D)</b> 1.70" (43mm) x 16.93" (430mm) x 27.95" (710mm)</li> </ul>
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