



# Viglen IX3620/RS Server

IT's Personal



**The Viglen IX3620/RS Server is a highly expandable 2U server. Designed with power-efficient architecture for enterprise applications and virtualisation it's the ideal platform for databases, large workgroup file servers or web applications.**

The Viglen IX3620/RS Server meets the challenges of enterprise-level computing in a space-constrained setting by delivering high performance and resilience in a fully managed 2U package.

With a high degree of fault-tolerance, all critical moving parts including hard drives and system fans can be hot-swapped in event of failure. There is also an option for Hot-swappable redundant PSU.

With integrated active Midplane2 with SAS Controller supporting entry level RAID 0, 1 and 10 and with room for with up to eight 2.5" Hot-swappable drives. Optional upgrades can support up to RAID 6, for enhanced storage performance and reliability.

The Viglen IX3620/RS Server is highly flexible with multiple optional I/O expansion modules making it a feature-rich 2U server designed to be energy-efficient in critical environments.



Great  
Minds  
Think



# Viglen IX3620/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 5500/5600 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><br/>2U Rack</li> <li>◆ <b>Server board</b><br/>Intel® Server Board S5520UR</li> <li>◆ <b>Chipset</b><br/>Intel® 5520 Chipset with ICH10R</li> <li>◆ <b>Processor Support</b><br/>Intel® Xeon® 5500/5600 series processors</li> <li>◆ <b>Number of Processors Supported</b><br/>Up to two</li> <li>◆ <b>Intel® QPI (GT/s)</b><br/>4.80, 5.86 and 6.40 GT/sec</li> <li>◆ <b>Memory</b><br/>Up to 96GB DDR3 Registered DIMMs (800/1066/1333MHz)</li> <li>◆ <b>Total Memory Slots</b><br/>Twelve DIMM sockets through 6 memory channels</li> <li>◆ <b>Drive Bays</b> <ul style="list-style-type: none"> <li>• Eight hot swap 2.5" SATA/SAS HDDs</li> <li>• 3.5" tape drive bay</li> </ul> </li> <li>◆ <b>Optical Bay</b><br/>Slim SATA optical drive bay</li> <li>◆ <b>RAID Support</b><br/><b>Integrated</b> <ul style="list-style-type: none"> <li>• Active midplane-2 with pass through SAS providing hardware RAID levels 0, 1 and 10</li> </ul> <b>Optional</b> <ul style="list-style-type: none"> <li>• Intel RAID Activation Key with 512MB Cache enabling hardware RAID 5 and 6 (UDCRSRU1)</li> <li>• Intel® Smart Battery (PDCRSR03)</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>◆ <b>Integrated LAN</b><br/>Embedded Intel® Dual Gigabit controller with Intel® Virtualization Technology</li> <li>◆ <b>Integrated Graphics</b><br/>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>• Three full height and 2 low profile PCI-e slots</li> </ul> <b>Optional</b> <ul style="list-style-type: none"> <li>• Riser card with 2 full height PCI-X, 1 full height PCI-e slots and 2 low profile slots (PSXSRU80)</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><br/><b>Integrated</b> <ul style="list-style-type: none"> <li>• IPMI 2.0 baseboard management controller</li> </ul> <b>Optional</b> <ul style="list-style-type: none"> <li>• Intel® Remote Management Module 3 (PSXSRMU3)</li> </ul> </li> <li>◆ <b>System Cooling</b><br/>Six redundant &amp; hot swap fans</li> <li>◆ <b>Power Supply</b><br/>750-watt 1+0 high efficiency, hot swap, redundant capable</li> </ul> | <ul style="list-style-type: none"> <li>◆ <b>Front Panel Features</b> <ul style="list-style-type: none"> <li>• Power LED</li> <li>• Hard drive activity LED</li> <li>• System status LED</li> <li>• Power/sleep switch</li> <li>• Two NIC LEDs</li> <li>• Reset switch</li> <li>• NMI switch</li> <li>• System ID LED</li> <li>• VGA port</li> <li>• Bootable USB 1.1 port</li> </ul> </li> <li>◆ <b>Rackmount Kits</b><br/><b>Included</b> <ul style="list-style-type: none"> <li>• Basic rail kit. (Does not support Cable Management Arm.)</li> </ul> <b>Optional</b> <ul style="list-style-type: none"> <li>• Full extending rail kit (PSXSRUFR)</li> <li>• Cable Management Arm be used with PSXSRUFR (PSXSRUCM)</li> </ul> </li> <li>◆ <b>Dimensions (H x W x D)</b><br/>3.4" (87.3mm) x 16.9" (430mm) x 27.75" (704.86mm)</li> </ul> |
|--|--|--|