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.
**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.

**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**

- **Form Factor**
  - 1U Rack

- **Server board**
  - Intel® Server Board S5520UR

- **Chipset**
  - Intel® 5520 Chipset with ICH10R

- **Processor Support**
  - Intel® Xeon® 5500 series processors (code named Nehalem)

- **Number of Processors Supported**
  - Up to two

- **Intel® QPI (GT/s)**
  - 4.80, 5.86 and 6.40 GT/sec

- **Memory**
  - Up to 96GB DDR3 Registered DIMMs (800/1066/1333MHz)

- **Total Memory Slots**
  - Twelve DIMM sockets through 6 memory channels

- **Drive Bays**
  - Eight Hot Swap 2.5” SATA/SAS HDD bays

- **RAID Support**
  - Integrated
  - Active midplane-2 with pass through SATA/SAS using LSI MegaRAID Technology providing RAID 0, 1 and 10

---

**Optional**
- Intel Activation Key with 512MB Cache enabling hardware RAID 0, 1, 10, 5 and 6 (UDCRSRU1)
- Intel® Smart Battery (PDCRSR03)

- **Optical Bay**
  - One slim SATA optical drive bay

- **Integrated LAN**
  - Embedded Intel® Dual Gigabit Controller with Intel® Virtualization Technology

- **Integrated Graphics**
  - Onboard graphics with 8MB

- **Add-in card support**
  - One Intel® I/O Expansion Module
  - One full-height (PCI Express x16)

- **Optional Expansion Modules**
  - Dual Gigabit Ethernet (CNCEP10M)
  - Quad-port Gigabit Ethernet (CNCEP40M)
  - 4 port external SAS (PSXSR002)
  - Single port Mellanox SDR InfiniBand (PSXSR003)
  - Dual-port CX4 10 Gigabit Ethernet (CNCEPCXM)

- **Server Management**
  - Intel® Server Management Software 3.1
  - Intel® Deployment Assistant 3.0

- **Management Hardware**
  - Integrated
  - IPMI 2.0 baseboard management controller

- **System Cooling**
  - Five Non redundant dual-rotor fans

- **Power Supply**
  - 650-watt 1+0 high efficiency, hot swap, redundant capable

- **Front Panel Features**
  - Power LED
  - System status LED
  - System ID LED
  - Power/sleep switch
  - NMI switch
  - System ID switch
  - Bootable USB 1.1 connection

- **Rackmount Kits**
  - Included
  - Basic rail kit. (Does not support Cable Management Arm.)

- **Dimensions (H x W x D)**
  - 1.70” (43mm) x 16.93” (430mm) x 27.95” (710mm)