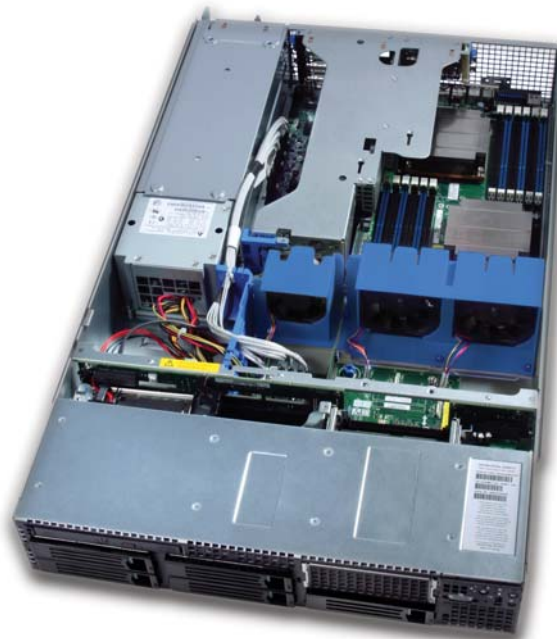intel® *inside*™
Xeon®

Viglen IX3600/R Server

IT's Personal

Viglen's IX3600/R server is the most flexible and reliable dual socket server for high-end applications and virtualisation environments.

Viglen IX3600/R Server System supports up to two Intel® Xeon® 5500 series processors, offering highly scalable DDR3 memory, high-speed PCI Express and maximum expandability. It's the ideal choice for large workgroup databases, high-density and virtualisation computing that need energy-efficient power and resilience in a 2U package. The IX3600/R is a highly optimised integrated server systems with full remote manageability using the Intel Remote Management Module 3 allowing you to securely gain access and control of your server and other devices from any machine on the network any place, any time.

viglen

Great
Minds
Think

viglen

Viglen IX3600/R 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 bestin-class band width 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

- **Form Factor**
  2U 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**
  - Up to six Hot Swap 3.5" SATA HDDs
  - One 3.5 tape drive (Using this bay will result in only five HDD bays to be available)

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

- **Storage**
  Six SATA ports (3 Gbps) via ICH10R

- **RAID Support**
  Intergrated
  - Intel® Embedded Server RAID Technology with host-based Software RAID levels 0, 1 and 10
  Optional
  - Software RAID 5 with activation key (PSXSR161)
  - Validated RAID Controllers

- **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
  - Three3 full-height PCI Express 2.0 x8
  Optional
  - Riser Card with 3x Full Height and 2x Low Profile slots (PSXSRU77)
  - Riser Card with 2x Full Height PCI-X, 1x Full Height PCI-e slots and 2x Low Profile slots (PSXSRU80)

- **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 using Intel 82599EB (CNCEPCXM)

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

- **Management Hardware**
  Integrated
  - IPMI 2.0 baseboard management controller
  Optional
  - Intel® Remote Management Module 3 (PSXSRMU3)

- **System Cooling**
  Three Non redundant fans

- **Power Supply**
  750-watt 1+0 high efficiency,hot swap, redundant capabled

- **Front Panel Features**
  - Power LED
  - Hard Drive Activity LED
  - System status LED
  - Power/sleep switch
  - Two NIC LEDs
  - Reset switch
  - NMI switch
  - System ID LED
  - VGA port
  - Bootable USB 1.1 port

- **Rackmount Kits**
  Included
  Basic rail kit. (Does not support Cable Management Arm.)
  Optional
  - Full extending rail kit for workgroup servers (PSXSRUFR)
  - Cable Management Arm be used with PSXSRUFR (PSXSRUCM)

- **Dimensions (H x W x D)**
  3.4" (87.3mm) x 16.9" (430mm) x 27.75" (704.86mm)