



Viglen IX4600 Pedestal Server

IT's Personal



A powerhouse that delivers reliability, scalability, and manageability in a highly versatile pedestal chassis. Ideal for database applications, storage servers and virtualised environments.

The Viglen IX4600 supports up to two Intel® Xeon® 5500/5600 Series Processors providing intelligent energy-efficiency and using fast DDR3 memory, increasing server performance with no increase in power consumption. The pedestal chassis provides tool-less hot-swap drive bays and 750-watt high efficiency 1+1 redundant hot-swap power supplies. Flexible and scalable storage architecture allows support for up to 10 enterprise-class SATA and SAS drives. The motherboard provides high-performance expandability with five PCI-express 2.0 expansion slots allowing high-speed I/O flexibility for the most demanding, bandwidth-intensive server applications. Making this Viglen's most powerful dual socket server.



Great
Minds
Think





Viglen IX4600 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

- ◆ **Form Factor**
Pedestal, convertible to 5U Rack
- ◆ **Server board**
Intel® Server Board S5520UR
- ◆ **Chipset**
Intel® 5520 Chipset with ICH10R (codenamed Nehalem)
- ◆ **Processor Support**
Intel® Xeon® 5500/5600 series processors (code named Westmere)
- ◆ **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**
 - Six Hot Swap 3.5" SATA HDDs bays with support for upto ten drives
- ◆ **Peripheral Bays**
Three tool-less 5.25" bays
- ◆ **Storage**
Six SATA ports (3 Gbps) via ICH10R
- ◆ **RAID Support Integrated**
 - Embedded SATA controller with host-based RAID 0, 1 and 10
- ◆ **Optional**
 - Software RAID 5 with activation key (PSXSR161)
 - Integrated SAS Entry RAID module with RAID 0, 1 and 10 (PSXS5SA4)
 - Integrated SATA/SAS RAID module supporting 0, 1, 5 and 6 with 128 MB cache. (PSXS5S4H)
 - RAID Smart backup battery (PDCRSR09)
- ◆ **Integrated LAN**
Embedded Intel® Dual Gigabit Controller
- ◆ **Integrated Graphics**
Onboard graphics with 32MB
- ◆ **Expansion Slots**
Six total expansion slots:
 - One PCI Express 2.0 x8 slot
 - Three PCI Express 2.0 x8 slot
 - One PCI Express 1.0 x4 slot (shared with optional SAS module)
 - One PCI 32/33 5V slot
- ◆ **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 Included**
 - Two fixed 120mm and 1 fixed 92mm**Optional**
Hot-swap fan upgrade kit (PAFN1X60):
 - One hot-swap 92mm fan and 1 hot-swap 120 mm fan
- ◆ **Power Supply**
750-watt high efficiency, 1+1 redundant power supply
- ◆ **Front Panel Features**
 - Panel controls and indicators
 - Security lock
 - Two USB connectors
- ◆ **Rackmount Kits Included**
Basic rail kit. (Does not support Cable Management Arm.)
Optional
 - Full extending rail kit (PSXSRUFR)
 - Cable Management Arm (PSXSRUCM)
- ◆ **Dimensions (H x W x D)**
Pedestal
17" (43.2 cm) x 8.6" (21.8 cm) x 28.4" (70.9 cm)
Rack
8.6" (21.8 cm) x 16.6" (42.2 cm) x 27.4" (69.6 cm)