Viglen IX3100 Pedestal Server

IT's Personal

The Viglen IX3100 is built around next generation intelligent Intel® Xeon® 5500 Series processors using Intel Quick Path Interconnect Technology to deliver outstanding performance and smooth multitasking. The architecture supports triple-channel DDR3 registered memory with ample capacity to support demanding applications and virtualisation.

Its highly flexible storage options offer the choice of four or eight 3.5” drive bays available in fixed or hot-swap configurations with a storage capacity of up to 16TB. This general purpose server has improved chassis design complemented by quiet operation and lower power consumption – the IX3100 is your choice for the next generation of server deployment.
**Viglen IX3100 Pedestal 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 band width 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.

**Specification**

- **Form Factor**
  - Pedestal Chassis with 5U Rack mount option

- **Server Board**
  - Intel® Server Board S2600CP

- **Chipset**
  - Intel® 5500 chipset with Intel® I/O Controller Hub ICH10R

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

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

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

- **Memory**
  - Up to 72GB Registered DDR3

- **Total Memory Slots**
  - Nine DIMM sockets through six memory channels

- **Drive Bays**
  - Four or 8x 3.5” HDD bays available in Fixed or Hot-Swap
  - Three 5.25” bays

- **Integrated LAN**
  - Embedded dual Intel® 82575EB Gigabit Ethernet Controller with Intel® Virtualization Technology

- **RAID Support**
  - **Integrated**
    - Six SATA ports with on-board controller supporting software RAID 0, 1 or 10
    - (Note: One SATA port used for optical drive)
  - **Optional**
    - Integrated SATA RAID 5 with activation key
    - Choice of RAID controllers

- **Integrated Graphics**
  - Onboard graphics

- **Add In Card Support**
  - Four full height PCIe expansion slots

- **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 (PSXRMU3)

- **System Cooling**
  - Three 120mm fans (1x rear cold-swap system fan, and 2x front, 1x hot-swap system fans)

- **Power Supply**
  - 600/700Watt fixed with optional upgrade to 700Watt 1+1 redundant

- **Front Panel features**
  - Power LED
  - Hard drive activity LED
  - System status LED
  - Reset switch
  - Bootable USB 1.1 port

- **Dimensions (HxWxD)**
  - Pedestal: 445mm x 218mm x 683mm
  - Rackmount: 218mm x 445mm x 683mm (5U)

- **Weight**
  - 28KG (chassis only)

**Upgrade to the Intel Remote Management Module allowing secure access to control servers remotely from anywhere**

**Intelligent Performance**

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.

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