The Viglen Modular Server is built on Intel Multi-Flex technology, it supports six compute modules, each supporting up to two Multi-core Intel Xeon 5400 sequence processors and up to 32GB of memory. It has virtualised shared storage with fourteen hot-swap hard disk drives, an integrated management module for centralised management, redundant Ethernet switches and storage controllers.

The Viglen Modular server gives you the flexibility to grow your infrastructure whilst providing seamless installation, seamless migration and seamless growth.

The Viglen Modular server is an integrated system which has SAN storage, computing and networking all built in. This gives it capabilities not found in common rack server setups such as virtual drives that grow as you go and virtual presence management.

The Viglen Modular server (IX9000) can accommodate up to six compute nodes (IX9100), each one capable of running two Quad core Xeon 5400 series processors with up to 32GB of RAM. For storage, up to fourteen 2.5” SAS hard drives can be installed in a variety of RAID configurations. At the back, the Viglen Modular server has room for two ten port GB switches, two storage controllers and a dedicated management module which allows for KVM and media re-direction allowing you to fully manage the system wherever you are.

The Viglen modular server is simple, flexible and exceptional value.
Viglen IX9000 & 9200 Compute Node

Server Management

New Intel Server Essentials 2.0

The Viglen IX range of servers is supplied with Intel System Management Software 2.0, a suite of software tools that simplifies IT management. This powerful set of applications is capable of managing the entire IT environment for small to midsize businesses. Intel Server Essentials improves security, reduces costs, and helps businesses move from reactive to proactive system management. A mix of hardware and software enables secure remote management and monitoring of servers, clients, and applications from virtually any location – in a way that IT generalists can understand without attending weeks of training. It’s all about IT made easy.


The Microsoft System Centre Essentials 2007 provides a unified management solution enabling IT professionals to proactively manage their IT environment with increased efficiency. Reports and tips help maintain network health and security. The Intel Server Management Pack for Microsoft Windows efficiently monitors chassis and baseboard sensors, including temperature, fan status, and voltage levels through an integrated management console.

It works with Essentials 2007 to provide monitoring of overall system health with technical details to keep your Viglen server hardware healthy and stable.

To streamline your Viglen Modular servers administration, it’s built in management module removes time and distance barriers by giving you a virtual IT presence. The management module has a RJ45 connector for a dedicated network connection and adds extensive remote management capabilities such as KVM and media redirection. Now you can securely gain access and control of your Viglen IX9100 compute nodes and other devices from any machine on the network – any place, any time.

Specification

- **Base Board**
  The IX9100 compute module motherboard is based on the high performance Intel® 5000P chipset, optimised for intensive workloads.

- **Processor**
  Up to two Dual Core Intel® Xeon® 5200 processors or Quad Core Intel® Xeon® 5400 series processors (per compute node), with up to 12MB of integrated L2 Cache running at up to 3GHz 1333MHz/1066MHz Front Side Bus. Total dissipated power 65W.

- **Memory**
  Eight FB-DIMM sockets for up to 32GB of fully-buffered ECC SDRAM at 667MHz (512MB to 4GB DIMMs supported). Please note, DIMM’s should be installed in pairs. Increasing the physical number of FB-DIMMs, increases system performance.

- **Network**
  Dual Intel® PRO/1000 EB Ethernet connections with Intel® I/O Acceleration Technology (Intel® I/OAT), (these are routed through the Ethernet switch on the server).

- **Display Adaptor**
  ATI with 16MB of video memory.

- **Drive / Peripheral Expansion Bays**
  Fourteen 2.5” Hot-Swap Enterprise SATA or SAS hard drive bays.

- **External Ports (IX9000)**
  Front
  - N/A

  Rear
  - Up to twenty 1Gb Ethernet ports
  - One SAS SFF-8088 connection
  - One management port (RJ45)
  - Up to five serial ports (one per hot-swap module)

- **System Dimensions (HxWxD)**
  6U Rackmount 262mm x 445mm x 721mm
  Weight 84.8Kg (Fully configured)

- **Power Supply**
  Up to four 1000W PFC 3+1 PSU
  (four mains connectors)
  Full system configuration requires 3000W

- **System Cooling**
  Three hot-swap system fans which provide cooling for compute nodes, hard drives and power supplies.

- **Server Management**
  Free software tools supplied with the server to allow for easy management via the web allowing you to control and monitor your server from anywhere and anytime.

Microsoft Windows Server Management Pack

Efficiently monitor chassis and baseboard sensors including temperature, fan status, and voltage levels through an integrated management console. It works seamlessly with Essentials 2007 to provide monitoring of overall system health with technical details to help keep your Viglen server hardware healthy and stable.

- **Standard Warranty**
  3 years on-site with next day working response. Additional warranty and support options are available. Please speak to your Viglen Account Manager.

- **Environment**
  Ambient Temperature:
  Operating  +10 °C to +35 °C
  Non-operating  - 40 °C to +70 °C
  Relative Humidity:  Non-operating  95%
  Non-condensing  @25 °C

- **Chassis Acoustical Noise Emissions**
  70dB maximum.