The Viglen IX9000 Modular Server built on Intel® Multi-Flex Technology integrates storage, computing, and networking to simplify complex IT environments. Making it the ideal choice for server consolidation and virtualised environments whilst giving you the flexibility to grow your infrastructure.

The Viglen IX9000 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 IX9000 Modular server can accommodate up to six compute nodes, each one capable of running two Multi-Core Intel® Xeon® 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.
**Scalable server compute capacity**
The IX9000 Modular server supports up to six Intel® Xeon® dual processor-based IX9100 compute modules.

**Integrated shared storage**
Diskless server compute modules utilise the integrated SAN with virtual drives to increase flexibility and manage storage capacity. Purchase only what you need, when you need it. (Optional upgrade for shared virtual drives allowing high availability clusters).

**Virtual presence management**
Manage your system as if you were standing right in front of it with the Virtual Presence GUI Management Interface.

**Integrated networking**
Dual Gb Ethernet switches offer ten 1Gb Ethernet uplinks per module.

**Ease of Management**
One integrated system with end-to-end management lets you manage the entire system from a Web-based GUI. Shared storage and virtual drives provide for easy application and storage migration.

**Improved data protection**
Centralised backup and virtual access allow for greater data protection.

**Ready for Virtualisation**
The Viglen IX9000 modular server is certified and approved to work with VMware. It is the ideal choice for providing a single box solution for virtualisation.

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**Specification**

**IX9000 Modular server**

- **Chassis Configuration**
  - 6U rack mount or pedestal based
  - Front: Storage drive bay supports 14 hot-swap 2.5" SATA/SAS drives
  - Up to 6 Server Compute Modules
  - One Hot Swap I/O Fan Module
  - Rear: One Management Module
  - Up to two Ethernet Switch Modules
  - Up to two Storage Control Modules
  - Four power supply bays for 3+1 redundancy
  - Two hot swap fan modules
  - Mid-Plane: Connects subsystems to the Management Module
  - Designed for multiple generations of Server

- **Storage Control Module**
  - RAID: 0, 1, 5, 6, 10
  - External extended storage mini SAS port
  - Six internal 3Gb per/sec SAS channels
  - Active-Active redundancy
  - Battery Backup

- **Ethernet Switch Module**
  - Ten external 10/100/1000 GbE full-duplex ports
  - Twelve internal 1-GbE full-duplex ports
  - Port, VLAN, and Advanced Switch Configuration
  - Layer 2+ features
  - ACL, QoS, Link Aggregation, 10K Jumbo Frame support, VLAN support, STP, and RSTP

- **Remote Management**
  - Remote Media and Console

- **Management Module**
  - External 10/100 Ethernet port
  - External serial port

- **Chassis Power Requirements**
  - Up to four 1,000-watt DC output power supply modules with 110-240-V AC input

- **Power Supply Notes**
  - A minimum of one 1000-Watt power supply is required to turn on a compute module
  - One power supply will support 1 compute module plus all other modules in the system
  - Two power supplies will support 2 to 3 compute modules (in any slot) plus all other modules in the system
  - Three power supplies will support 4 to 6 compute modules (in any slot) plus all other modules in the system
  - Any additional power supplies above minimum required (based on configuration) provide redundancy

- **Chassis Size (W x H x D)**
  - 17.5 x 10.3 (6U) x 28.4 inches

- **Weight**
  - With full configuration: 187 lbs.

- **Environment**
  - Temperature operating: 10°C to 35°C
  - Non-operating: -40°F to 158°F
  - Altitude: -30 to 1,500 m -100 to 5,000 ft

- **Chassis Safety**
  - Certified to FCC Class A; tested to CISPR 22 Class A, EN55022 Class A and 89/336/EEC, VCCI Class A, UL60 950, CSA60 950, AS/NZS 3562, GB4943-1995, EN60 950 and 73/23/EEC, IEC 60 950, EMKO-TSE (74-SEC) 207/94, GOST R 50377-92

- **Chassis Emissions**
  - 91 Class A, BSMI CNS13438

**IX9200 Compute Module**

- **Processors**
  - Supports multi-core Intel® Xeon® 5000 series processors

- **Chipset**
  - Intel® 5000P chipset family, including:
    - Intel® 5000P Memory Controller Hub
    - Intel® 6321ESB I/O Controller Hub

- **On-board Video**
  - 8740 ES1000 controller with 16 MB of DDR SDRAM

- **LAN**
  - Two integrated and two optional 10/100/1000 Ethernet ports via the Mezzanine Card

- **Memory**
  - 8 fully-buffered DIMM (FBDIMM) slots supporting up to 32GB of memory

- **On-board Host Bus Adapter**
  - LSI 1064e SAS controller

- **External Connectors**
  - Two USB 2.0 ports
  - Internal Video connectors
  - One Intel® I/O Mezzanine Connector supporting an optional Mezzanine Card

- **Mezzanine Card (Optional)**
  - Provides additional dual-channel Ethernet ports