



HS424i

IT's Personal



High Density Storage combined with Redundancy, Resiliency and High Power Efficiency.

HS424i is designed to provide high density storage while delivering unrivalled performance (over 250,000 I/Os and 1.2GB/s). With redundant high efficiency PSUs and the latest generation Intel Tylersburg/Nehalem platform, the HS424i provide a reliable and stable high performance storage platform. The HS424i is ideal for enterprise-class storage applications that call for maximum performance, scalability and flexibility.



The



Great
Minds
Think





HS424i

The Viglen HS424i offers the latest in server innovation, including:

Scalable Shared Memory

Features memory distributed to each processor with integrated memory controllers and Intel QuickPath Technology high-speed point-to-point interconnects.

Intelligent Power Management RAID Controller

reduce drive power use by up to 70% with Adaptec's Intelligent Power Management.

Design and Performance Scalability

with support for 2-8 cores and up to 16 threads with Intel Hyper-Threading Technology (Intel HT Technology), and scalable cache sizes, system interconnects, and integrated memory controllers.

Dual Redundant High Efficiency PSU

Dual redundant hot-swappable PSUs to maximise server uptime.

Intelligent Performance

On-demand with Intel Turbo Boost Technology taking advantage of the processor's power and thermal headroom. This enables increased performance of both multi-threaded and single-threaded workloads.

RAID Features

- ◆ Supports up to 256 SATA or SAS devices using SAS expanders
- ◆ RAID levels 0,1, 1E, 5, 5EE, 6, 10, 50, 60, and JBOD
- ◆ Quick Initialisation
- ◆ Online Capacity Expansion
- ◆ Copyback Hot Spare
- ◆ Dynamic Caching Algorithm
- ◆ Native Command Queuing (NCQ)
- ◆ Background Initialisation
- ◆ Hot-plug Drive Support
- ◆ RAID Level Migration
- ◆ Hot spares - global, dedicated and pooled
- ◆ Automatic/manual rebuild of hot spares
- ◆ SAF - TE enclosure management
- ◆ Configurable stripe size
- ◆ S.M.A.R.T Support
- ◆ Multiple array per disk drive
- ◆ Dynamic sector repair
- ◆ Staggered drive Spin-Up
- ◆ Bootable array support
- ◆ Optimised Disk Utilisation

Specification

<ul style="list-style-type: none"> ◆ Base Board SuperMicro X8DTL-iF motherboard 	<ul style="list-style-type: none"> ◆ RAID Controller Adaptec 52445 24-Port Unified Serial RAID (SAS/SATA) Controller with BBU and Intelligent Power Management. 	<ul style="list-style-type: none"> ◆ System Cooling Three 5000RPM hot-swap Cooling Fans Two 5000RPM hot-swap Rear Exhaust
<ul style="list-style-type: none"> ◆ Chipset Intel® 5520 Chipset (Tylersberg) with QPI up to 6.4GT/sec 	<ul style="list-style-type: none"> ◆ DVD Drive Integrated DVD Drive (optional) 	<ul style="list-style-type: none"> ◆ System Dimensions (H x W x D) 4U Rackmount – 7" (179mm) x 17.2" (437mm) x 26" (660mm)
<ul style="list-style-type: none"> ◆ Processor Quad (Nehalem 55xx) & Dual (5502) Core Intel® 64-bit Xeon Support 	<ul style="list-style-type: none"> ◆ IPMI Management IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> ◆ Standard Warranty 3 Years On-Site with a next business day response. Additional options are available; please speak to your account manager.
<ul style="list-style-type: none"> ◆ Memory Up to 48GB of DDR3 ECC Reg 1333/1066/800MHz SDRAM in 6 DIMMs 	<ul style="list-style-type: none"> ◆ External ports <ul style="list-style-type: none"> • Two stacked USB connectors on rear of chassis • Three RJ45 LAN Ports (Two network, one IPMI) 	<ul style="list-style-type: none"> ◆ Environment Ambient Temperature: Operating -10 °C to +35 °C Non-operating -40 °C to +70 °C Relative Humidity: Operating 8% to 90% Non-operating 5% to 95%
<ul style="list-style-type: none"> ◆ Integrated SATA Interface <ul style="list-style-type: none"> • Intel ICH10R SATA 3.0Gbps Controller • RAID 0,1,5,10 (Windows) • RAID 0,1,10 (Linux) 	<ul style="list-style-type: none"> ◆ PC Health Monitoring <ul style="list-style-type: none"> • Monitors for CPU Cores, +1.8V, +3.3V, +5V, +12V, +5 Stdby, +3.3 Stdby, VBAT, Memory, Chipset Voltages. • 6-Phase-switching voltage regulator 	
<ul style="list-style-type: none"> ◆ Network Two Intel 82574L Gigabit Ethernet Controllers One Realtek RTL8201N PHY (dedicated IPMI) 	<ul style="list-style-type: none"> ◆ Power Supply Redundant 1000W high-efficiency power supply with PFC 	
<ul style="list-style-type: none"> ◆ Display adapter Integrated Matrox G200eW Graphics 	<ul style="list-style-type: none"> ◆ Drive Bays Twenty four 3.5" hot-swap SAS/SATA drive trays 	