

# S-1410

## High Performance Appliance with Flexible Front I/O

The S-1410 solution features dual Intel® Xeon® 5600 series processors, optional redundant AC power supplies, two highly configurable front-facing I/O modules, and two hot swap hard drives. The S-1410 uses DDR3 memory which offers higher bandwidth and lower power consumption than previous DDR2 memory. With an LCD screen the S-1410 allows for quick access and monitoring. This new-generation, highly configurable platform allows software vendors to create a unique lifecycle-managed solution and meet application requirements.



## Features and Benefits

- Power optimized for green deployments
- Enterprise-class hardware, SAS, SATA, SSD drives and RAID for maximum reliability
- Available with up to two hexa-core Intel Xeon 5600 processors
- Hot swap hard drives and redundant power supplies for high availability
- Up to two configurable front facing I/O modules
- Both standard and bypass NIC interfaces available
- Customizable platform for a variety of deployment needs and applications
- Enterprise-hardened security and element management tools (sold separately)

## S-1410

### Performance

- Up to two Intel Xeon 5600 series hexa-core processors
- Up to 64 GB DDR3-1333 MHz ECC registered memory
- Dual-port embedded Gigabit Ethernet NIC
- High efficient power supplies

### Reliability

- Two hot swap HDDs with RAID 0, 1
- Redundant hot swap AC power supplies

### Flexibility

- Two front-facing I/O modules where each module can support one of the following:
  - Six Port Copper 1 Gigabit Ethernet Module
  - Dual Port Fiber (SR) 10 Gigabit Ethernet Module
  - Quad Port Copper 1 Gigabit Ethernet Bypass Module\*
  - Dual Port Fiber (LR) 10 Gigabit Ethernet Module\*
  - Dual Port Fiber (SR) 10 Gigabit Ethernet Bypass Module\*
  - Dual Port Fiber (LR) 10 Gigabit Ethernet Bypass Module\*
  - Dual Port Fiber SFP 1 Gigabit Ethernet Module (no transceivers)\*
  - Dual Port Fiber (SX) 1 Gigabit Ethernet Bypass Module (no transceivers)\*
  - Quad Port Fiber (SX) 1 Gigabit Ethernet Bypass Module (no transceivers)\*
  - Security Protocol Processor Module based on Cavium Nitrox PX CN1620 Security Processor\*

\* Future availability

NEI combines expertise in storage, security and carrier-grade communications and enterprise communications with the broadest range of hardware platforms and services to meet the exact needs of your application. Lower your total cost of ownership, accelerate your time to market, manage investments in the field and focus on your core competencies by partnering with NEI.

<b>Form Factor</b>	1U rack mount
<b>Dimensions (HxWxD)</b>	1.69" x 17.09" x 24.69"
<b>Processor</b>	Dual Intel 5600 series
<b>Chipset</b>	Intel 5500
<b>Memory</b>	Eight DIMM Slots - up to 64 GB DDR3
<b>Drive Bays</b>	Up to two SAS, SATA, or SSD drives
<b>Optical Bay</b>	Optional DVD-ROM or DVD+/-RW
<b>I/O Modules</b>	Two front-facing I/O modules where each module can support one of the following: <ul style="list-style-type: none"> <li>■ Six Port Copper 1 Gigabit Ethernet Module</li> <li>■ Dual Port Fiber (SR) 10 Gigabit Ethernet Module</li> <li>■ Quad Port Copper 1 Gigabit Ethernet Bypass Module*</li> <li>■ Dual Port Fiber (LR) 10 Gigabit Ethernet Module*</li> <li>■ Dual Port Fiber (SR) 10 Gigabit Ethernet Bypass Module*</li> <li>■ Dual Port Fiber (LR) 10 Gigabit Ethernet Bypass Module*</li> <li>■ Dual Port Fiber SFP 1 Gigabit Ethernet Module (no transceivers)*</li> <li>■ Dual Port Fiber (SX) 1 Gigabit Ethernet Bypass Module (no transceivers)*</li> <li>■ Quad Port Fiber (SX) 1 Gigabit Ethernet Bypass Module (no transceivers)*</li> <li>■ Security Protocol Processor Module based on Cavium Nitrox PX CN1620 Security Processor*</li> </ul>
<b>Integrated RAID Support</b>	RAID 0, 1

\* Future availability

<b>Integrated LAN</b>	Dual Port Broadcom BCM 5716
<b>Integrated Graphics</b>	Matrox G200eW with 8MB
<b>Management</b>	<ul style="list-style-type: none"> <li>■ Integrated IPMI 2.0</li> <li>■ Optional: <ul style="list-style-type: none"> <li>■ iDRAC6-Express</li> <li>■ iDRAC6-Enterprise and Vflash</li> </ul> </li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>■ Non-redundant, 480W</li> <li>■ Optional redundant, 500W</li> </ul>
<b>OS Support</b>	<ul style="list-style-type: none"> <li>■ Windows Server 2008</li> <li>■ Red Hat Enterprise Linux</li> <li>■ SUSE Linux</li> </ul>
<b>Regulatory Approval</b>	UL or CSA, CE, FCC, VCCI
<b>Environment</b>	<ul style="list-style-type: none"> <li>■ Operating temperature: 10°C to 35°C (50° to 95°F)</li> <li>■ Non-operating temperature range: -40° to 65°C (-40° to 149°F)</li> <li>■ Operating relative humidity range: 20% to 80% non-condensing</li> <li>■ Non-operating relative humidity range: 5% to 95% non-condensing</li> </ul>
<b>Warranty</b>	Standard two-year limited warranty, return to factory. Optional extended warranty and advance replacement service.

## Support and Maintenance Services

NEI offers a variety of support and maintenance service programs to ensure high availability, rapid response, effective troubleshooting, fast parts replacement and 24-hour support. Please visit [www.nei.com/supportservices](http://www.nei.com/supportservices) for more information.



25 Dan Road Canton, MA / 02021-2817 / telephone: 781 332 1000 / fax: 781 770 2000 / [www.nei.com](http://www.nei.com)