

S-3000 R2

High Reliability, Performance, and Storage

The S-3000 R2 provides a scalable 3U rack mount solution with expansion options including single or dual Intel® Xeon® 5600/5500 series processors, up to 96 GB of memory, up to 16 drives (32 TB max storage) and up to six full-height full-length PCIe slots. Integrated hardware RAID, redundant reliability and delivers the uptime required for business critical applications. The S-3000 R2 is tailored for applications that demand high performance, storage and reliability. NEI's utilization of embedded solutions coupled with Element Manager allows ISVs to accelerate the development and deployment of their application.



Features and Benefits

- Available with up to two multi-core Intel Xeon 5600/5500 processors
- Redundant AC or DC power options
- Enterprise-class hard drives and RAID for maximum reliability
- Up to 16 hot swap SATA or SAS hard drives
- Up to three internal SATA, SAS or SSD hard drives (optional)
- Enterprise-hardened security and element management tools (sold separately)

S-3000 R2

Performance

- Up to two Intel Xeon 5600/5500 series multi-core processors
- Up to 16 SATA/SAS hard drives (up to 32 TB)
- Up to 96 GB DDR3 - 1333/1066 MHz memory
- Up to three internal SATA, SAS or SSD HDDs (optional)
- Redundant 1200W AC or 700W DC power supplies
- Up to six full-height, full-length PCIe G2 slots

Reliability

- Supports up to (16) 3.5" Enterprise-class hot swap SATA/SAS HDDs with RAID levels 0/1/5/6/10/50/60
- Three internal hot swap fans in addition to two rear exhaust fans
- LED notification for hard drive activity, system overheat and power
- Standard two-year limited warranty, return-to-factory
- Optional extended warranty and advance replacement service

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.

P R O D U C T S P E C I F I C A T I O N S	Form Factor	<ul style="list-style-type: none"> 3U rack mount 	LEDs	<ul style="list-style-type: none"> Power Hard drive activity Network System overheat
	Dimensions	H x W x D: 5.2" (13.2cm) x 17.2" (43.7cm) x 25.5" (64.8cm)	Power	1200W AC or 700W DC high-efficiency (1+1) redundant
	Processors	<ul style="list-style-type: none"> Up to two Intel Xeon 5600/5500 series multi-core processors 6-core: X5660, E5645; Quad-core: E5620, X5560, E5540 	Graphics	Integrated Matrox G200eW
	Chipset	Intel 5520	Compliance	RoHS
	Memory	Up to 96 GB DDR3 1333/1066 MHz Registered ECC	Regulatory Approval	UL or CSA, FCC, CE, VCCI
	Expansion Slots	Up to six (x8) full-height, full-length PCIe 2.0	Cooling	Three x hot swap fans and two x rear exhaust fans
	Drive Controllers	<ul style="list-style-type: none"> ICH10R SATA 3.0 Gbps - six drives LSI 2008 SASII - eight drives 	Environment	Temperature: <ul style="list-style-type: none"> Operating temperature range: 10 to 35°C (50 to 95°F) Non-operating temperature range: -40 to 70°C (-40 to 158°F) Humidity: <ul style="list-style-type: none"> Operating humidity range: 8 to 90% non-condensing Non-operating humidity range: 5 to 95% non-condensing
	Drive Bays	<ul style="list-style-type: none"> 16 x 3.5" hot swap SATA/SAS HDDs Three x 2.5" internal SATA/SAS/SSD HDDs (optional) 	Operating Systems	<ul style="list-style-type: none"> Microsoft Windows Server NEI Element Manager Red Hat Linux
	RAID	<ul style="list-style-type: none"> SATA: onboard 0, 5, 10 (Windows); 0, 1, 10 (Linux) SAS: onboard 0, 5, 10 Additional RAID support through expansion slot 	Warranty	<ul style="list-style-type: none"> Standard two-year warranty, return-to-factory Optional extended warranty and advance replacement service
	Optical Drive	Slim DVD-ROM (optional)		
	Integrated Network Interface	Intel 82576 dual-port Gigabit Ethernet		
	Management	IPMI 2.0		
	Branded Bezel	Optional		

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 for more information.



25 Dan Road Canton, MA / 02021-2817 / telephone: 800 977 1010 / fax: 781 770 2000 / www.nei.com