

E-1800 R2 / E-2900 R2

High-Reliability, Medium-Density Communications Systems

NEI's E-1800 R2 and E-2900 R2 communication appliances deliver the industry's best combination of high-reliability and high-performance for medium-density applications. Able to support up to three full-height/full-length PCIe or PCI-X cards and up to eight drives, these systems provide scalable 1U and 2U rack mount solutions. This allows software vendors to customize the system solution to match medium-density storage and I/O requirements. Featuring the Intel® Xeon® 5500 series processors, hardware RAID, hot swap drives and redundant hot swap power supplies to ensure maximum reliability and uptime, customers can build a greater variety of enterprise communications, call center or storage solutions.



Features and Benefits

Built for High-Reliability Applications

- Intel Xeon 5500 (dual) processing
- Enterprise class SAS drives and RAID ensure maximum reliability
- Hot swap hard drives and power supplies ensure low Mean-Time-To-Repair (MTTR)
- Redundant power supplies ensure high reliability in case of a failure

Built for Density

- Supports up to three full-length, full-height telephony card or five PCI boards
- Supports up to eight SAS or SATA HD drives for customization to meet the storage needs of various applications
- Supports up to two quad-core Intel Xeon 5500 series for maximum performance and density

E-1800 R2

Reliability

- Redundant, hot swap 650W power supplies
- Six standard or eight optional 2.5" hot swap drives

Performance

- Dual Intel Xeon 5500
- Up to 96 GB of DDR2 memory

E-2900 R2

Reliability

- Redundant, hot swap 750W power supplies
- Hot swap SATA or SAS drive support
- Eight 2.5" or six 3.5" hot swap SATA or SAS drives

Performance

- Dual quad-core Intel Xeon 5500

NEI combines expertise in storage, security, carrier-grade communications and enterprise communications with the broadest range of hardware platforms and components 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

E-1800 R2

E-2900 R2

OS Support	Microsoft Windows products, ACE Linux, call for details on additional Linux support	Microsoft Windows products, ACE Linux, call for details on additional Linux support
Management	Integrated baseboard management controller with IPMI 2.0	Integrated baseboard management with IPMI 2.0
Cooling	Five non-redundant fans	Up to six redundant hot swap fans
Form Factor	1U rack mount	2U rack mount
Dimensions	16.93" x 1.7" x 20" (WxHxD)	16.93" x 3.44" x 27.95" (WxHxD)
Processor(s)	Dual Intel Xeon 5500	Dual Intel Xeon 5500
Chipset	Intel 5520	Intel 5520
Front Side Bus	N/A	N/A
Memory	12 DIMMs DDR3 up to 96 GB	12 DIMMs DDR3 up to 96 GB
Expansion Slots	One PCIe (x16) and one I/O expansion module	Up to three full height PCIe or PCI-X, two LP PCIe and one Intel expansion module
Drive Controllers	SATA/SAS	SATA/SAS
Drive Bays	Six hot swap standard, eight optional 2.5" drives	Eight 2.5" or six 3.5" hot swap SATA or SAS drives
RAID Controllers	Embedded Server RAID (0, 1, 10) with optional hardware RAID 5/6	Embedded Server RAID (0, 1, 10) with optional hardware RAID 5/6
DVD/CD-ROM	Optional	Optional
Integrated Network Interface	Dual Gigabit Ethernet with Intel Acceleration Technology	Dual Gigabit Ethernet with Intel Acceleration Technology
Branded Bezel	Optional branding area	Optional branding area
Power	650W redundant AC power	750W redundant AC power
Compliance	RoHS	RoHS
Regulatory Approval	CD, FCC, UL, VCCI, CB Scheme	CE, FCC, UL, VCCI, CD Scheme
Environment	Operating temperature: 10 to 35°C (50 to 95°F) Non-operating temperature: -40 to 70°C (-40 to 158°F) Operating Humidity: 8% to 90% (non-condensing) Non-operating humidity: 5% to 95% (non-condensing)	Operating temperature: 10 to 35°C (50 to 95°F) Non-operating temperature: -40 to 70°C (-40 to 158°F) Operating Humidity: 8% to 90% (non-condensing) Non-operating humidity: 5% to 95% (non-condensing)
Warranty	Standard two-year limited warranty, return to factory. Optional extended warranty and advance replacement service.	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 for more information.



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