

E-2710 at a glance

Built-in Reliability

- Supports up to eight 2.5" SAS HDDs with RAID levels 0/1/5/6/10/50/60 storage strategies
- Dual 2-port embedded Gigabit Ethernet NIC with failover
- Redundant, hot swap 570W or 870W AC or 870W DC power supplies
- Redundant cooling fans

Performance

- Up to two Intel Xeon 5600/5500 series multi-core processors with the Intel 5520 I/O Hub
- Up to 144GB DDR3-1333MHz ECC registered memory
- Dual 2-port embedded Gigabit Ethernet NIC with load balancing
- High efficient power supplies
- Up to four PCIe slots

Our legacy of streamlining application deployment models to create physical, virtual and cloud-ready solutions has made NEI one of the industry's most trusted partners. We are a leading provider of solution design, system integration, application management, global logistics, support and maintenance services for software and telecommunications developers and OEMs worldwide.



E-2710

Power-Optimized Enterprise-Class Application Platform

Our E-2710 Enterprise-Class Application Platform features state-of-the-art power optimization technologies, including optional DC power operation for deploying next-generation solutions. Also available as an AC-powered server, the E-2710 employs Intel's® new Xeon® 5600/5500 series microprocessor for dynamically scaling its power utilization and making next-generation systems far more energy efficient. These highly available, open-standard platforms meet the market demand for low power enterprise computing, data centers and carrier-grade central offices to which they promise more robust performance, speed and flexibility.

Features and Benefits

- Purpose-built for converging enterprise and telecom application deployments
- Power optimized for next-generation deployments
- Exclusive DC power technology option
- Enterprise-class hardware, SAS drives and RAID for maximum reliability
- Available with up to two multi-core Intel Xeon 5600/5500 processors
- Hot swap hard drives and redundant power supplies for high availability
- Scalable, up to eight SAS or SATA HD drives, for best-fit solution
- Customizable platform for a variety of deployment needs and applications
- Enterprise-hardened security and element management tools (sold separately)

The E-2710 offers the industry's best combination of affordable, scalable and reliable performance. In a 2U rack mount footprint, the E-2710 comprises up to four high-end telephony PCIe cards and up to eight disk drives. This allows software vendors to customize the system solution and match exact storage and I/O requirements. This platform features integrated hardware RAID, hot swap drives and redundant hot swap power supplies to ensure maximum reliability and uptime. The E-2710 is designed to address converging enterprise and telecommunications markets and create purpose-built solutions with greater differentiation.

Solution Design

- Platform customization & testing
- Windows OS hardening
- Regulatory compliance engineering
- Bezel & packaging branding with OEM name

System Integration

- H/W platform components acquisition and build
- S/W image loading
- Complete solution testing and final packing

Application Management

- Alarm Manager S/W agent
- Health Monitor S/W agent
- Update Manager S/W agent and Update Service

Global Logistics

- Global shipping
- Evaluation / assess pool management

Support & Maintenance

- Basic warranty
- Advance parts replacement
- Advance server replacement
- Anytime on-site with advance troubleshooting
- Technical support

E-2710 technical specifications

Chassis

- 2U rack height
- Up to eight 2.5" hard drives **OR**
- Up to six 3.5" hard drives

Dimensions (WxHxD)

8.64cm (3.40") x 44.31cm (17.44") x 68.07cm (26.80")

Weight (maximum configuration)

26.1kg (57.54lb)

Processors

Up to two Intel Xeon 5600/5500 series multi-core processors

Processor Sockets

Two

Interconnect

Intel QuickPath Interconnect (QPI)

Cache

5500 series 4 MB to 8 MB Level 2 Cache depending on processor

Chipset

Intel 5520 I/O Hub

Memory

Up to 144 GB (18 DIMM slots): 1 GB/2 GB/4 GB/8 GB DDR3, 800 MHz, 1066 MHz or 1333 MHz

Expansion Slots

Up to four slots:

- 2 PCIe x8 + 2 PCIe x4 G2 **OR**
- 1 x16 + 2 x4 G2

Network Interface Cards (NIC)

- Dual 2-port embedded Broadcom NetXtreme II 5709c Gigabit Ethernet NIC with failover and load balancing
- Embedded NICs are TCP/IP Offload Engine (TOE) ready with iSCSI Offload enabled
- Optional 1 GbE and 10 GbE add-in NICs

Drive / Redundant Array of Independent Disks (RAID) Controllers

- SAS6/IR Integrated SAS Controller - two internal x4 SAS connectors, RAID levels 0/1, 1 x PCIe x8 **OR**
- PowerEdge RAID Controller (PERC) 6/1 SAS RAID Controller - two internal x4 SAS connectors, 256 MB of integrated DDR2 cache, RAID levels 0/1/5/6/10/50/60 storage strategies, 1 x PCIe x8

Drive Bays

- Eight x 2.5" hard drive option **OR**
- Six x 3.5" hard drive options

Maximum Internal Storage

6 TB SATA or Near Line SAS

2.5" Hard Drives

- 2.5" SAS (10 K RPM): 36 GB, 73 GB, 146 GB, 147 GB, 300 GB;
- 2.5" SAS (15 K RPM): 36 GB, 73 GB;
- 2.5" SATA II (5.4 K RPM): 80 GB, 160 GB, 250 GB;
- 2.5" SATA II (7.2 K RPM): 80 GB, 120 GB, 160 GB, 250 GB

3.5" Hard Drives

- 3.5" SATA (7.2 K): 80 GB, 160 GB, 250 GB, 500 GB, 750 GB, 1 TB;
- 3.5" SAS (10 K): 400 GB; 3.5" SAS (15 K): 73 GB, 146 GB, 300 GB, 450 GB;
- 3.5" Near-Line SAS (7.2 K): 500 GB, 750 GB, 1 TB

Optical Drives

- DVD ROM SATA **OR**
- DVD+/-RW SATA

Power Supply Units (PSU)

- Up to two hot-plug high-efficient 570W AC PSU **OR**
- Up to two high output hot-plug 870W AC PSUs **OR**
- Up to two hot-plug 870W DC PSUs

Video

Matrox G200 with 8 MB of cache

Infrastructure Management

- Integrated Dell Remote Access Controller6 (iDRAC6) Express
- iDRAC6 Enterprise (Optional)
- iDRAC6 Enterprise with vflash 1GB SD (Optional)

Rack Support

- 2/4-post static rails
- Sliding ready rails with cable management arm

Fans

Standard redundant cooling

Environment

- Operating temperature: 10°C to 35°C (50 to 95°F)
- Non-operating temperature range: -40° to 65°C (-40° to 149°F);
- Operating relative humidity range: 20% to 80% non-condensing;
- Non-operating relative humidity range: 5% to 95% non-condensing

Regulatory / Compliance

UL/cUL/CSA, FCC Class A, ICES-003, CE Safety, GOST-R, TUV-GS, NEMKO, C-Trick, SABS, NRCS, CCC, RoHS

Operating Systems

- Windows Server 2008 with Hyper-V,
- Red Hat Linux Enterprise v5.3

Warranty

Covered by our standard two-year warranty with optional support and maintenance warranty services

Note: specifications subject to change without notice.

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.

Solution Design

System Integration

Application Management

Global Logistics

Support & Maintenance



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