

N-2710

Power-Optimized Carrier-Class Application Platform

NEI's N-2710 carrier-grade rack mount server offers customers a NEBS Level 3 certified solution. It provides dual socket support for the Intel® Xeon® 5600 Series Processor, coupling high performance with power efficiency to provide improved performance-per-watt over previous-generation rack-mount servers. This high-performing, long-life 2U platform is custom designed with enhanced cooling, rails, bezel and mechanical provisioning for demanding carrier-grade telecommunications environments and data centers.

With the ability to pre-configure up to four PCIe I/O cards, telecommunications and network equipment providers can create purpose-built solutions. The N-2710 delivers more affordable performance, increases power efficiency, accelerates time-to-market and maximizes ROI.



Features and Benefits

- Redundant hot swap power and cooling to reduce Mean-Time-To-Repair (MTTR) and increase Mean-Time-Between-Failures (MTBF)
- NEBS Level 3 compliance testing demonstrates 5-nines (99.999%) availability
- Purpose-built for converging telecom application deployments
- Power optimized for next-generation deployments
- Carrier-class hardware, SAS drives and RAID for maximum reliability
- Available with up to two 6-core Intel Xeon 5600 processors
- Hot swap hard drives and redundant power supplies for high availability
- Scalable, up to eight SAS or SSD drives, for best-fit solution
- Customizable platform for a variety of deployment needs and applications

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Reliability

- Supporting 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 870W DC power supplies
- Redundant cooling fans

Performance

- Up to two Intel Xeon 5600 Series 6-core / quad-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 efficiency power supplies

Expansion

- Up to four PCIe slots
- Four full-length, full-height (FL/FH) PCIe slots:
2 x8 + 2 x4 **OR**
- Three full-length, full-height (FL/FH) PCIe slots:
1 x16 + 2 x4

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	Chassis	<ul style="list-style-type: none"> 2U rack height H x W x D: 8.64cm (3.40") x 44.31cm (17.44") x 68.07cm (26.80") Weight (maximum configuration): 26.1kg (57.54lb) Chassis for up to eight 2.5" hard drives 	Network I/O Options	<ul style="list-style-type: none"> Intel ET 1Gbe dual port NIC copper PCIe GE WANic 5654 4-port GbE packet processor card with XAUI Board-Board Interconnect GE WANic 56512 2-port 10 GbE packet processor card
	CPU	<ul style="list-style-type: none"> 2 Sockets 6-core or quad-core Intel Xeon 5600 series processor 	External Storage I/O Options	Qlogic QLE2462 in front of Dual channel 4Gb optical fiber channel PCIe, dual channel 4Gb optical fiber channel, PCIe
	Chipset	Intel 5520 I/O Hub	Video	Embedded G200 with 8MB of cache
	Memory	Up to 144GB (18 DIMM slots): 1GB/2GB/4GB/8GB DDR3, 800MHz, 1066MHz or 1333MHz	Power Supply Units (PSU)	<ul style="list-style-type: none"> Two redundant hot swap 870W DC power supplies Efficiency (20% to 100%) Load 87% - 90% @ -48VDC Voltage range: 36-72 VDC
	Storage	<ul style="list-style-type: none"> Up to 8 x 2.5" hard drive option SAS: 72GB, 146GB, 300GB SSD: 25Gb, 50GB 	Cooling	Standard redundant cooling
	SAS Controller option	<ul style="list-style-type: none"> SAS6/IR integrated SAS controller - two internal x4 SAS connectors, RAID levels 0/1, 1 x PCIe x8 OR PowerEdge RAID Controller (PERC) 6/i 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 	Environment	<p>Temperature:</p> <ul style="list-style-type: none"> Operating temperature range: 10° to 35°C (50° to 95°F); Non-operating temperature range: -40° to 65°C (-40° to 149°F); <p>Humidity:</p> <ul style="list-style-type: none"> Operating relative humidity range: 20% to 80% non-condensing; Non-operating relative humidity range: 5% to 95% non-condensing
	Optical Drives	DVD+/-RW SATA	Regulatory/ Compliance	<ul style="list-style-type: none"> Safety: Underwriters Laboratories (UL / cUL), Conforming European (CE) Mark / Safety, CB Emission: FCC 47 CFR Parts 15, Class A, CE, IC ICES-003 Class A
	PCIe Expansion Options	<ul style="list-style-type: none"> 4-slot PCIe riser: 2 FH/FL PCIe x8 + 2 FH/FL PCIe x4 slots OR 3-slot PCIe riser: 1 FH/FL PCIe x16 + 2 FH/FL PCIe x4 slots 	Operating Systems	<ul style="list-style-type: none"> Windows Server 2008 with Hyper-V, Red Hat Linux Enterprise v5.3 Sun Solaris 10
	Management Controller	<ul style="list-style-type: none"> Integrated Dell Remote Access Controller6 (iDRAC6) Express iDRAC6 Enterprise (Optional) iDRAC6 Enterprise with vflash 1GB SD (Optional) 	Warranty	<ul style="list-style-type: none"> Covered by our standard two-year warranty with optional support and maintenance warranty services
	Network Interface Cards (NIC)	<ul style="list-style-type: none"> 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 		

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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