



# NexServ XRL-74P4 Server

*The NexServ XRL-74P4 delivers high performance for enterprise, mission-critical, and high-performance computing (HPC) deployments.*

## High Performance at Its Best

The NexServ XRL-74P4 is a powerful and reliable High Performance Server that solves your mission-critical IT challenges of managing and keeping secure the capabilities and data crucial to your business.

- **Power & Performance:** The NexServ XRL-74P4 High Performance Server is designed for demanding processor requirements. With up to 40 cores in a single system (using Intel's latest E7-4000 Series Processors, up to 10 3.5" Hard Drives (or up to 24 2.5" Hard Drives) and a redundant hot swap high efficiency power supply, the NexServ XRL-74P4 delivers performance that is ideal for your most data-demanding workloads with improved scalability and increased memory and I/O capacity, allowing you to handily adapt to changes in short-term business demands and address requirements for longer-term business growth. These advanced reliability and security features work to

maintain data integrity, accelerate encrypted transactions, and maximize the availability of mission-critical applications.

- **Suitable For a Wide Range of Usage:** The NexServ XRL-74P4 excels in commercial, industrial, and military environments; and provides a high density computing platform for broad range of high applications ranging from Database, HPC, Cloud Infrastructure, Simulation, and more.

# NexServ XRL-74P4 Server

|                                    |   |
|------------------------------------|---|
| Processor                          | Supports up to four Intel® Xeon® processor(s) of the same type:<br>Intel® Xeon® 7500 Series (8-Core) or Intel® Xeon® E7-4800 Series (10-Core), with QPI up to 6.4 GT/s  |
| Chipset                            | Intel® 7500 Chipset ICH10R  |
| BIOS                               | 32Mb SPI Flash EEPROM with AMI® BIOS  |
| System Management                  | Intelligent Platform Management Interface v.2.0 (IPMI 2.0)<br>IPMI 2.0 With Virtual Media Over LAN and KVM-Over-LAN support<br>Winbond® WPCM450 BMC with Dedicated RJ45 LAN Port  |
| System Memory                      | 32 DIMM Sockets<br>Supports up to 512 GB DDR3 ECC Reg. Memory at 1066/978/800MHz Speed<br>Quad Channel Memory Bus   |
| HDD Support                        | 5x 3.5" SAS/SATA Hot-Swap Drive Bays<br>Optional 6x 5.25" Drive Bays Support Up To 10x 3.5" HDDs, or 24x 2.5" HDDs, or a combination of both<br>Optional 8-port LSI 2108 6Gbps SAS RAID Controller with RAID 0, 1, 5, 6, 10, 50, 60<br>Optional Battery Back-up Supported via BBU07 Battery |
| Networking & Management            | Intel® 82576 Controller, Dual-Port Copper (RJ45) Gigabit Ethernet<br>10/100/1000BASE-T Support<br>Intel® I/OAT 3 Support; Intel VMDq Support<br>1x Realtek RTL8201N PHY (Dedicated IPMI)  |
| Expansion Slots                    | BIOS Configurable Auto-Switch For:<br>Two (x16) PCI-E 2.0 Slots or<br>One (x16) PCI-E 2.0 Slot + Two (x8) PCI-E 2.0 Slots or<br>Four (x8) PCI-E 2.0 Slots   |
| I/O Ports                          | 5x USB 2.0 Ports<br>1x VGA Port<br>2x Fast UART 16550 Serial Ports (1 DB9, 1 Internal Header)<br>2x Mini-SAS 6Gb/s Ports and 6x SATA 2.0 3Gb/s Ports (Pptional)   |
| Peripheral Bays                    | 1x 3.5" Floppy Drive Bay<br>2x 5.25" Drive Bays   |
| Power Supply                       | 1400W Redundant AC Power Supply with PMBus<br>80+ Gold Certified  |
| Dimensions (H x W x D)<br>& Weight | 7 x 17.8 x 28.4 in. (HxWxD); Weight 65 lbs.   |
| Operating Temp                     | Operating Temperature: 10° to 35° C (50° to 95° F)<br>Non-Operating Temperature: -40° to 70° C (-40° to 158° F)   |
| Form Factor                        | 4U Rackmount or Pedestal Server Chassis   |



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