



Unisys ES3000 Model 3590R G2 Enterprise Server

Product Information Sheet



Product Overview

Built to meet the demands of today's enterprise, the Unisys ES3000 Model 3590R Enterprise Server is suitable for a broad variety of corporate workloads. Engineered with Intel® Advanced RAS Technology, this 4-socket 4U Intel® Xeon® E7 series processor rack server delivers the reliability needed to keep mission-critical workloads running around the clock. The Hot Plug and Redundant Power Supplies and Fans, Memory Mirroring, integrated RAID, dual SD card slots and more make the ES3000 Model 3590R a server to depend upon.

Product Highlights

- The ten-core Intel® Xeon® processor E7 series processor delivers unprecedented performance in an industry-standard server
- Supports up to 2TB of memory and over 4TB of internal storage providing the scalability needed for virtualized workloads

- The real-time power monitoring option assists IT management in data center planning and optimization
- Energy-efficient system built with Energy Smart technologies

Typical Deployment Scenarios

- **Mail and Messaging:** With 10 PCIe slots, two 1Gb and two 10Gb embedded Ethernet ports and embedded RAID capability, the Model 3590R server has the configuration flexibility and I/O capacity to tackle virtually any mail and messaging workloads
- **Database Workloads:** With the Model 3590R server, you can take advantage of over 4.5 TB of internal storage plus the latest ten-core Intel® Xeon® processor performance to easily power mid-sized database workloads
- **Virtualization:** You can consolidate multiple workloads to leverage up to 2TB of memory and 40 processor cores and 10 PCIe slots of the Model 3590R server

Technical Specifications for the ES3000 Model 3590R G2 Enterprise Server

| | |
|--|--|
| Form Factor | 4U rack |
| Processors | Up to four, ten-core Intel® Xeon® processors, E7-4800 and E7-8800 product family |
| Cache | 12MB |
| Interconnect | Intel® QuickPath Interconnect (QPI) |
| Memory | Up to 2TB (64 DIMM slots): 2 GB/4 GB/8 GB/16 GB/32 GB DDR3 1066 MHz |
| I/O Slots | Up to 10 PCIe Gen2 Slots* plus 1 internal x8 storage slot Standard 7 PCIe Gen2 Slots* (2 x4, 4 x8, 1 x16) or Optional 10 PCIe Gen2 Slots* (6 x4, 4 x8) *Slot 5 is a x4 PCIe Gen1 slot |
| Hard Drive Options | The following is a partial list of drives offered: <ul style="list-style-type: none"> • 2.5" SSD: 50 GB, 100 GB, 149 GB • 7.2K RPM 2.5" Near Line SAS: 1 TB • 10K RPM 2.5" 6Gbps SAS: 146 GB, 300 GB, 900 GB • 15K RPM 2.5" 6Gbps SAS: 73 GB, 146 GB • Self-Encrypting 2.5" 6Gbps SAS: 146 GB (15K), 600 GB (10K) |
| Hard Drive Bays | Choice of either 4 or 16 - 2.5" Hot Swap drive bays |
| Maximum Internal Storage | Up to 16TB |
| RAID Controller Options Include | Internal: PERC H200, PERC H700 External: PERC H800, PERC 6/E |
| Peripheral Bays | Optical drive bay with choice of SATA DVD-ROM or SATA DVD +/- RW |
| Network Interfaces | <ul style="list-style-type: none"> • Dual Embedded Broadcom® 5709c 2-port (2 x 1GbE) NICs with iSCSI offload (4 ports total) or • Embedded Broadcom® 57711 2-port (2 x 10Gb) NIC plus Embedded Broadcom® 5709c 2-port (2 x 1GbE) NIC (4 ports total) • Optional 1-Gb and 10-Gb add-in NICs available |

| | |
|--|---|
| Power Supply | Hot-Plug 750W or 1100W PSUs available in non-redundant (N + 0) and redundant (N + 1 or N + N) configurations* *Not all PSU configurations are available with all processor or memory configurations. |
| Video | Integrated Matrox G200 with 8 MB of shared video memory |
| Remote Management | iDRAC6 with optional iDRAC6 Enterprise with optional vFlash |
| Systems Management | IPMI 2.0 compliant BMC, OpenManage |
| Rear Ports | VGA; 9-pin serial port; 2 x USB 2.0 ports; 4 x RJ-45 Ethernet or 2 x RJ-45 & 2 x SFP+ ports depending upon embedded NIC configuration chosen; optional RJ-45 and vFlash for iDRAC6 Enterprise options |
| Front Ports | 2 x USB 2.0 ports |
| Physical Specifications | <ul style="list-style-type: none"> • 78.8 cm (31.02") D x 48.24 cm (18.99") W (with rack latches) x 17.26 cm (6.8", 4U) H • Maximum weight: 47.6 kg (105 lbs) • Support for Rapid Rails, 2-post flush mount, 2-post center mount, and third party VersaRails racking solutions |
| Availability Features and Options | DDR3 memory; ECC memory; memory mirroring; memory sparring; Hot-Plug hard drives; Hot-Plug redundant power supplies; Hot-Plug redundant fans; internal dual SD module |
| Operating Systems | Supported Operating Systems include: <ul style="list-style-type: none"> • Windows Server® 2012 x64 with Hyper-V, Datacenter and Standard Editions • Microsoft® Windows Server 2008® R2 SP1, x64 (includes Hyper-V™ v2) • SUSE® Linux Enterprise Server • Red Hat® Enterprise Linux® • VMware® vSphere® • Citrix® XenServer® |

For more information, contact your Unisys representative or visit www.unisys.com

This document is not a contract and does not create any binding representations or warranties by Unisys. All representations are contained only in the applicable agreement signed by the parties.

© 2012 Unisys Corporation. All rights reserved. Specifications are subject to change without notice.

Unisys, the Unisys logo and ClearPath are registered trademarks of Unisys Corporation. Intel® is a registered trademark and Xeon® is a trademark of Intel Corporation. All other brands and products referenced herein are acknowledged to be trademarks or registered trademarks of their respective holders.