



Unisys ES3000 Model 3580R G3 Enterprise Server

Product Information Sheet



Product Overview

The Unisys ES3000 Model 3580R Enterprise Server is a powerhouse server with performance robust enough to support your most demanding enterprise workloads. With four Intel® Xeon® E5 processors, highly-expandable memory and impressive I/O capabilities, it excels at running mission-critical workloads like Enterprise Resource Planning (ERP), data warehousing, databases and Virtual Desktop Infrastructure (VDI). While this 4-socket 2U server is a smart choice for any datacenter it is especially well suited for those that are space constrained– it provides premium performance in a compact footprint.

Product Highlights

- Eight-core Intel® Xeon® E5 processors deliver superior performance
- Up to 16 internal hard drives and integrated PCIe Gen3-enabled expansion slots help you better manage exploding data needs
- The system's large memory footprint (up to 1.5TB) maximizes your data center's application capacity

- Up to four optional hot-plug, front-access PCIe SSDs enable performance-enhancing in-box storage tiering
- Flexible embedded NIC technology enables you to choose the right network fabric to match your needs without using a valuable PCIe slot

Typical Deployment Scenarios

- **Virtualization:** With eight-core processors and up to 1.5TB of memory, the Model 3580R is an ideal platform to support large, dense virtualization deployments
- **Database Workloads:** Its extensive scalability, balanced design and ability to support dual RAID controllers makes the Model 3580R well-suited to support large databases and data warehousing applications

Technical Specifications for the ES3000 Model 3580R G3 Enterprise Server

| | |
|------------------------------------|---|
| Form Factor | 2U rack |
| Processors | Two or four eight core, six core or quad-core Intel® Xeon® Processor E5-4600 series with Hyper Threading and Turbo support |
| Cache | Up to 80MB (2.5MB per processor core) |
| Interconnect | Two Intel QuickPath Interconnect (QPI) links at up to 8.0 GT/s |
| Memory | Up to 1.5TB (12 DIMM slots per processor socket) supporting 2GB/4GB/8GB/16GB/32GB DDR3 DIMMs @ up to 1600MHz |
| I/O Slots | Up to 7 PCIe Gen3 slots: <ul style="list-style-type: none"> • 2 – x16 full-height, half-length • 1 – x8 full-height, half-length • 3 – x8 half-height, half-length • 1 – x8 full-height, half-length (for RAID controller) |
| Drive Controller Options | Internal: <ul style="list-style-type: none"> • PERC H310 • PERC H710 • PERC H710P External: <ul style="list-style-type: none"> • PERC 810 • 6Gbps SAS HBA (non-RAID) |
| Hard Drive Bays | 16 – 2.5” hot swap drive bays |
| Maximum Internal Storage | Up to 16TB |
| Hot-plug Hard Drive Options | 2.5” SSD: PCIe, SAS, SATA 2.5”: 15K SAS, 10K SAS, 7.2K nearline SAS, 7.2K SATA Self Encrypting Disk (SED) drive options are also available |
| Optical Drive | SATA DVD-ROM drive or SATA DVD +/- RW drive |
| Network Interfaces | Broadcom® Quad Port 1GbE BASE-T (no TOE or iSCSI offload) Intel® Quad Port 1GbE BASE-T (no TOE or iSCSI offload) Broadcom® Dual Port 10GbE SFP+ (TOE and iSCSI offload capable) with 2 x 1GbE ports Intel® Dual Port 10GbE BASE-T (FCoE enabled) with 2 x 1GbE ports |

| | |
|--|---|
| Power Supply | Dual hot-plug auto-ranging PSU Options: <ul style="list-style-type: none"> • Platinum Efficiency 750W • Platinum+ Efficiency 1100W • Gold Efficiency 1100W DC |
| Availability Features and Options | ECC memory; hot-plug hard drives; high efficiency, hot-plug redundant power supplies; hot-plug redundant cooling; interactive LCD control panel; tool-less chassis |
| Remote Management | iDRAC7 Express iDRAC7 Enterprise (optional) System Identification front/rear buttons and LED |
| Systems Management | IPMI 2.0 Complaint OpenManage |
| Front Ports | 1 – VGA port 1 – USB 2.0 ports 1 – vFlash media slot |
| Rear Ports | 1 – VGA port 2 – USB 2.0 ports 4 – Ethernet LOM ports 1 – RJ-45 iDRAC7 port 1 – Serial connector |
| 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® |
| Physical Specifications | Chassis dimensions: 75.58cm (29.75”) D x 48.2cm (18.98”) W x 8.73cm (3.44”) H Maximum weight: 32.5kg (71.5lb) Support for Rapid Rails, 2-post flush mount, 2-post center mount, and third party VersaRails racking solutions |

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. All other brands and products referenced herein are acknowledged to be trademarks or registered trademarks of their respective holders.