

Unisys ClearPath Libra 4000 Servers

Product Information Sheet



The ClearPath Libra 4000 server enables the Unisys MCP operating system on an enterprise-class, Intel-based Unisys platform. This midrange server sustains the Unisys commitment to the ClearPath Next-Generation Server Architecture. The Libra 4000 delivers mainframe-class capabilities including high levels of security, availability and reliability.

The Libra 4000 extends the flexibility and openness of ClearPath MCP, assuring support for a rich solution environment. As with every MCP system, the Libra 4000 Server offers code and data compatibility. You can carry forward existing applications running on supported releases of MCP to the Libra 4000 without recompiling the applications.

The Libra 4000 family offers multiple business models to meet the diverse needs of MCP clients. The Libra 4080 sustains the traditional business model, which licenses a fixed, performance level. Additional flexibility is offered with capacity-on-demand options that deliver the agility needed to manage dynamically changing workloads. There are capacity-on-demand offerings for temporary workload, emergency recovery (short term) and disaster recovery (long term) requirements.

The Libra 4090 Server provides state-of-the-art metering technology. The metering business model continuously measures and records the processing power consumed by the system. The server uses the recorded resource consumption to establish an advanced pay-for-use business model, which offers:

- Improved flexibility, service levels and operations—reducing “wall clock time”
- Easier capacity planning
- Reduced initial capital investment
- Long-term savings because costs are directly aligned with the resources used

Key Attributes

The following points comprise the key attributes of the Libra 4000 servers

Compatibility with Previous Generation Libra Systems

- Applications on supported software releases are portable to the Libra 4000 and larger Libra 600 family, and you can carry them forward from earlier systems
- You can migrate most storage subsystems from earlier platforms

Real-Time Infrastructure Optimization

- The Libra 4000 handles a mix of batch, real-time and on-line transaction processing with the MCP dynamically adjusting to changing mixes
- Through advanced MCP metering and capacity-on-demand technology, you can easily increase or decrease the server capacity to meet service-level agreements
- Workload management capabilities enable you to specify the system operations policy in business terms
- The business continuity accelerator provides a one-button solution for automation of a business continuance plan while providing a monitoring capability that senses changes to the server environment
- You gain support for Value-Priced Workloads for General Production and Development, Agile Business Suite, and Enterprise Application Environment (EAE) for rapid application development

Transaction Processing at the Enterprise Level

- Enterprise Database Server for ClearPath MCP, DMSII, is a mature, proven database management system that is highly scalable and reliable
- On-line transaction processing management is fully integrated with the operating system

Service-Oriented Architecture (SOA) Support

- You gain powerful SOA capabilities to allow existing ClearPath MCP applications to participate in SOA or to build new SOA services
- With a full set of Java connectors, the server allows Java applications on non-ClearPath platforms to access MCP-based applications and DMSII databases
- You gain a rich set of industry-standard, middleware technologies for integrating ClearPath data and transactions—including JDBC, ODBC, OLE DB, .Net, Java, Open DTP, WebSphere MQ and Microsoft Message Queuing

Focus on High Availability

- The server provides native redundancy across primary system components—including power supplies, cooling, AC power supplies, mirrored memory and chip-fail memory support
- Our optional high availability models operate by a warm, stand-by MCP cell performing a Halt/Load for failover and recovery (and becoming the active MCP cell)

Secure Environment

- ClearPath MCP software has in-built security to protect your business from the risks and costs associated with unauthorized access to resources

Technical Specifications

Partitions	• One
Installed Intel® Processors	• Two 2.93 GHz quad-core Intel Xeon® processors, 7200 Series
MCP Central Processing Modules (CPM)	• Up to 6 CPMs
Memory	• 4 GW (32 GB) user-accessible mirrored (64 GB total)
Memory Type	• 2 GB/128 GB fully buffered DDR2 SDRAM
I/O Channel Types	• ANSI 4-Gb Fibre Channel (dual port) • PCI-E SCSI (single port) for tape storage only • PCI-E Optical Gigabit Ethernet (single port) • PCI-E Copper Gigabit Ethernet (dual port)
Base Configuration	• 1 Processor Memory Cell including: <ul style="list-style-type: none">- 2 Intel processors- 4 Gigawords memory- 1 DVD for system software load- 4 internal 146 GB (raided 1+0) hard drives for MCP partition use
Maximum I/O	• 7 PCI-E Express slots (four x8, three x4)
Cooling Method	• Axial hot-replaceable fans (N+1)
Dimensions	• W24" x D46" x H76" (W60cm x D117cm x H193cm) (40U)
Base Configuration Weight	• 222 kg (489 lbs)
Power and Cooling	• Hot-plug power units, redundant cooling fans • Two 30A L6-30P power drops
Power	• Hot-plug, auto-ranging, and redundant (1+1) • High efficient (90 percent) power supplies • At 180V – 240 VAC input = 1570W max capacity • At 90V – 180 VAC input = 1030W max capacity
Max Input Amperages	• @100V = 12.9A; @115V = 11.2A; @208V = 9.4A; @230V = 8.5A
Ambient Temperature	• Operating: 13° to 35° C (55° to 95° F)
Storage Temperature	• Shipping: -40° to 65° C (-40° to 149° F)
Relative Humidity	• Operating: 10 – 80 percent noncondensing; Nonoperating: 95 percent max noncondensing
Operating Altitude	• Up to 8,000 feet (2436 meters)

For more information, contact your Unisys representative or call Unisys at 1-800-874-8647, extension 405 (U.S. and Canada) or 00-1-585-742-6780, extension 405 (other countries).

If you're in a hurry to learn more, visit our Website at <http://www.unisys.com/cp/libra>

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