

ORACLE EXALYTICS IN-MEMORY MACHINE X2 - 4

PRODUCT FACTS & FEATURES

KEY FEATURES

- 1 TB of RAM
- QDR (40 Gb/second) InfiniBand connectivity to Oracle Exadata & Oracle Exalogic
- 10Gb and 1Gb Ethernet interfaces
- Oracle Business Intelligence Foundation for reporting, ad-hoc query, dashboards, scorecards and OLAP
- Leading in-memory database for speed of thought analytics
- Adaptive intelligent in-memory caching
- Powerful visualizations
- No application redesign
- Compression of up to 10x for better memory management
- Certified for Oracle BI & EPM applications
- Automated configuration and management



Oracle Exalytics In-Memory Machine X2-4 is the industry's first engineered system for in-memory analytics that delivers extreme performance for Business Intelligence and Enterprise Performance Management applications. Built using industry-standard hardware, market-leading business intelligence software and in-memory database technology, Oracle Exalytics is an optimized system that delivers answers to all your business questions with unmatched speed, intelligence, simplicity and manageability. Requiring no application redesign, Oracle Exalytics can be deployed in existing IT environments by itself or in conjunction with Oracle Exadata and/or Oracle Exalogic to enable extreme performance and a compelling business user experience.

First Engineered System for Analytics

Oracle Exalytics is a complete solution that includes best-in-class hardware, an enterprise BI platform and in-memory analytics software optimized to work together.

- **Oracle Exalytics Hardware.** Oracle Exalytics features powerful compute capacity, abundant memory and fast networking options optimally configured for in-memory analytics of business intelligence workloads. Oracle Exalytics is powered by four Intel Xeon® E7-4800 series processors for a total of 40 CPU cores, 1 TB of RAM, 3.6TB of raw disk capacity, two 40 GB/s infiniband ports and Ethernet ports.
- **Oracle Business Intelligence Foundation.** Oracle Business Intelligence Foundation delivers best in class reporting, ad hoc query, OLAP, dashboards, and scorecards on an architecturally integrated business intelligence foundation. Oracle Business Intelligence Foundation running on Oracle Exalytics has been specially enhanced to take advantage of large memory, processors, concurrency, storage, networking, operating system, kernel, and system configuration afforded by the Oracle Exalytics hardware.
- **Oracle TimesTen In-Memory database for Exalytics.** Based on Oracle Times-Ten In-Memory database, Times-Ten for Exalytics has been specially enhanced for analytical processing at in-memory speeds. With lightening fast scan speed of up to 100 million rows/second and enhancements like support for analytical functions and up to 10x columnar compression, TimesTen for in-memory analytics delivers faster reports &

dashboards for departmental as well as enterprise wide consumption.

KEY BENEFITS & RELATED PRODUCTS

KEY BENEFITS

- No-Limits, extreme performance for business intelligence and enterprise performance management applications
- Rich visualizations deliver insights at the speed of thought
- First engineered system for analytics delivers unmatched speed, intelligence, simplicity and manageability
- Adaptive in-memory cache intelligently caches the hottest data
- Fast deployment of analytics applications

RELATED ORACLE PRODUCTS

- Oracle BI Foundation Suite
- Oracle BI EE
- Oracle BI Publisher
- Oracle Times-Ten In-Memory database
- Oracle BI Applications
- Oracle Hyperion Performance Management Applications
- Oracle Exadata
- Oracle Exalogic

Best Visual Analysis with No Limits

Oracle Exalytics features a number of user interface enhancements to leverage the powerful compute capacity and abundance of memory. Visual analysis with no limits is enabled by intelligently caching the hottest data in-memory using 1 TB of RAM. For data not available in-memory, Oracle Exalytics transparently ships the queries to underlying data sources. Features like auto-complete prompt fields, performant cascading prompts, and contextual right-click interactions (for totals, top-N queries, calculated items, etc.) make it easier for the end user to analyze data and enable insights at the speed of thought. A dynamic user interface complements large amounts of data under the covers; while rich visualization capabilities, including a wide range of interactive chart types, maps, and tabular formats, present business information in meaningful and compelling ways.

Smarter Analytical Applications

Oracle Exalytics delivers the widest range of reporting and analysis capabilities on a single, integrated system including hardware, software & storage.

- **Certified for Oracle’s Analytical Applications.** Oracle Exalytics delivers out of box support for most BI & EPM applications available from Oracle. This delivers fastest time to value by making the purpose build reports, dashboards and data marts for ERP, CRM, EPM and Industry analytics available out of the box.
- **Foundation for a new class of Analytic Applications.** Oracle Exalytics’s unmatched speed, visualizations and scalability delivers extreme performance for existing analytical and enterprise performance management applications and enables a new class of visually compelling analytic applications so organizations can gain better insights, take better decisions and deliver better results.

Oracle Exalytics In-Memory Machine X2 – 4 Specifications

Architecture	
Processor	
<ul style="list-style-type: none"> • Four Intel Xeon® E7-4800 series processors 	
Main Memory	
<ul style="list-style-type: none"> • Sixty Four 16 GB DDR3 ECC Registered DIMMs • Total Memory capacity of 1 TB 	
Interfaces	
Networking	
<ul style="list-style-type: none"> • Four 10/100/1000Base-T on-board Ethernet ports • Two QDR (40Gb/s) InfiniBand ports 	

<ul style="list-style-type: none"> Two 10Gbps Ethernet ports based on Intel 82599 10Gbe controller
Standard I/O
<ul style="list-style-type: none"> One TIA/EIA-232-F asynchronous RJ-45 serial port Five USB 2.0 ports (two front, two rear, one internal) Two VGA 8 MB Ports; 1024 x 768 @ 60Hz (front and rear)
Internal Storage
<ul style="list-style-type: none"> Six 2.5" SAS-2 600GB 10,000 RPM SAS-2 HDDs Disk Controller HBA with 512MB Battery Backed Write Cache
Remote Management
<ul style="list-style-type: none"> Oracle Integrated Lights Out Manager (ILOM) One dedicated 10/100base-T Ethernet management port One RJ-45 serial management port Support for access via SSH 2.0, HTTPS, RADIUS, LDAP, and Microsoft Active Directory Ability to monitor and report system and component status on all FRUs

Software
Operating Systems
<ul style="list-style-type: none"> Oracle Enterprise Linux
Analytics Software
<ul style="list-style-type: none"> Oracle Business Intelligence Foundation Suite Oracle TimesTen In-Memory Database for Exalytics
Environment
<ul style="list-style-type: none"> Operating temperature: 5°C to 35°C (41°F to 95°F) at sea level; 5°C to 31°C (41°F to 88°F) at altitude Nonoperating temperature: -40°C to 68°C (-40°F to 154°F) Operating relative humidity: 10%-90% relative humidity, noncondensing Nonoperating relative humidity: 93% relative humidity, noncondensing, Acoustic noise: LwAd: 8.9 B (idle and operating, room temp.), 8.9 B (max. ambient); LpAm: 75 dBA (bystander position, max. ambient)
Power
<ul style="list-style-type: none"> Rated Line Voltage: 200 - 240 VAC Rated Input Current: 12A at 200 VAC Maximum power usage: 1317W
Regulations
<ul style="list-style-type: none"> Safety: IEC 60950, UL/CSA 60950, EN60950, CB Scheme with all country differences RFI/EMI: FCC CFR 47 Part 15 Class A, EN 55022 Class A, EN 61000-3-2, EN 61000-3-3, EN 300 386

<ul style="list-style-type: none"> Immunity: EN 55024, EN 300 386
Certifications
<ul style="list-style-type: none"> Safety: UL/cUL, UL DEMKO, CE, BSMI, CCC, GOST-R, S-Mark EMC: CE, FCC, VCCI, ICES, C-Tick, MIC, CCC, GOST-R, BSMI Class A Other: Complies with WEEE Directive (2002/96/EC) and RoHS Directive (2002/95/EC)
Dimensions and Weight
<ul style="list-style-type: none"> Height: 129.9 mm (5.1 in.) Width: 436.5 mm (17.2 in.) Depth: 732.0 mm (28.8 in.) Weight: 38.5 kg (85 lb.) max.
Mounting Accessories and Cables
<ul style="list-style-type: none"> Toolless rackmounting slide rail kit Cable management arm InfiniBand cables

Contact Us

For more information about how your organization can leverage the power of Oracle Exalytics In-Memory Machine X2 - 4, please visit www.oracle.com or call 1.800.ORACLE1 to speak to an Oracle representative.

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