

DATASHEET

WINDOWS® HPC SERVER 2008 R2 (OEM, ROK) FOR PRIMERGY

WITH THE RELEASE OF THE WINDOWS HPC SERVER FUJITSU EXPANDS ITS OFFERING OF X86 PRIMERGY SERVER-BASED HIGH PERFORMANCE COMPUTING SOLUTIONS



Windows HPC Server 2008 R2

WINDOWS HPC SERVER 2008 R2

Windows HPC Server 2008 R2 enables cluster-based high performance computing (HPC) and combines the power of Fujitsu PRIMERGY and Windows Server platforms with rich functionality to improve the productivity, and reduce the complexity of your HPC environment.

HPC solutions enable engineers and scientists to achieve breakthrough innovation. Computer simulation and modelling using HPC has become an essential part of research and development across many industries.

Our offerings of Windows Server HPC platforms include the Microsoft Windows HPC Server 2008 R2 Suite OEM and ROK (Reseller Option Kit), as well as individual OEM component products.

PRODUCT LINEUP

Windows HPC Server 2008 R2 products include an English, Japanese and Simplified Chinese user interface.

DELIVERY

The products ship packaged with the Fujitsu PRIMERGY server – available in the Fujitsu PRIMERGY price list.

SERVICEABILITY

The products include a country-specific warranty.

INSTALLATION

ServerView Installation Manager is included when purchasing the server hardware so that you can easily install Windows Server 2008 R2 HPC Edition and SP1 for Windows Server 2008 R2 on the head node, and in order to configure RAID on compute nodes prior to compute node deployment.

COMPUTE NODE DEPLOYMENT

Compute node deployment is an image-based deployment, with full support for multicasting and diskless boot, performed by Windows Deployment Services from the head node.

SUPPORT SERVICES

It is recommended to obtain support services from Fujitsu. Fujitsu ServicePacks include a wide range of different Service Level Agreements. More information is available at https://sp.ts.fujitsu.com/dmsp/docs/db-servicepack-sw-ms_citrix.pdf and <https://sp.ts.fujitsu.com/dmsp/docs/ta-servicepack-sw-microsoft.pdf>.

SERVICEPACK LIFECYCLE SUPPORT POLICY

<http://support.microsoft.com/gp/newSPLifecycle>. Both the Mainstream Support and Extended Support phases require the product's supported service pack be installed to continue to receive support. Microsoft's support life cycle for Windows HPC Server 2008 R2 applies for these products: <http://support.microsoft.com/lifecycle/?p1=14555>

ORDER-NUMBERS

Order the HPC Server Operating System and the HPC Pack Enterprise combined as a suite, under a single order number

- Windows® HPC Server 2008 R2 Suite
OEM S26361-F2567-E360.

Or, order the HPC OS and select from Non-Enterprise HPC Packs as individual components

- Windows® Server 2008 R2 HPC Edition
OEM S26361-F2567-E361.
- Microsoft® HPC Pack 2008 R2 Express
OEM S26361-F2567-E362.
- Microsoft® HPC Pack 2008 R2 for Workstation
OEM S26361-F2567-E363.



TECHNICAL DETAILS

SOFTWARE REQUIREMENTS

Server Operating System Head Node, Compute Node

Windows Server 2008 R2 HPC Edition with SP1

The minimum system hardware requirements are similar to the hardware requirements for Windows Server 2008 R2 with SP1, Windows HPC Server 2008 R2 with SP1 supports up to 128 gigabytes (GB) of RAM.

HPC Middleware

Microsoft HPC Pack 2008 R2 Express, Enterprise, Workstation with SP1, SP2, and SP3

Workstation Operating System, Compute Node

Windows 7 Enterprise, Premium, Ultimate with SP1

Product Updates

Updates through Microsoft via Windows Server Update Services

HARDWARE REQUIREMENTS

PRIMERGY Server

Blade / Cloud eXtension / Rack / Tower Servers

PRIMERGY BX922 S2, PRIMERGY BX924 S2 / PRIMERGY CX120 S1, PRIMERGY CX122 S1 / PRIMERGY RX200 S6, PRIMERGY RX300 S6, PRIMERGY RX300 S7, PRIMERGY RX350 S7 / PRIMERGY TX300 S6, PRIMERGY TX300 S7. Current release matrix for systems in Internet: <http://docs.ts.fujitsu.com/dl.aspx?id=a9e600b9-e4cb-4f48-aa41->

Fujitsu PRIMERGY components. Please see the release matrix for components.

System Requirements PRIMERGY Server

Processor. Minimum: 2.0 GHz x64 processor, recommended dual-core 2.8 GHz or faster. ECC Memory. Minimum 4 GB RAM. Recommended 4 GB RAM or greater. Maximum 128 GB RAM. Minimum disk space for setup. 50 GB. Recommended 150 GB or greater. Disk volumes. A single system volume is required for the head and compute nodes. Redundant array of independent disks (RAID) is supported but not required. The system volume must be MBR. Additional volumes can be MBR or GPT. Drive. DVD-ROM drive. Display. Super VGA (800 x 600) or higher resolution monitor. Network Interface Cards. At least one network interface card (NIC) is required on the head node and each of the compute nodes. If a private network is used, the head node requires at least two NICs, and compute nodes require at least one NIC. Each node may also require a high-speed NIC for an application network. All nodes must have the same network topology. Other. Keyboard and Mouse. Logo requirements are the same as Windows Server 2008 R2.

Workstation

Same as Windows 7 Enterprise, Premium, Ultimate requirements for a workstation.

LICENSING

Right to use

The software is licensed based on the number of instances of server software that you run. The software license is permanently assigned to the PRIMERGY server with which you acquired the software. That server is the licensed server for that particular license. You may assign other software licenses to the same server, but you may not assign the same license to more than one server.

Product Activation Notice to End Users - OEM

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Product Activation Notice to End Users - ROK

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SOFTWARE ASSURANCE

Software Assurance for Windows HPC Server 2008 R2 products, regardless if OEM or ROK.

FUJITSU PLATFORM SOLUTIONS

In addition to FUJITSU Windows HPC Server/OEM / ROK for PRIMERGY, FUJITSU provides a range of platform solutions. They combine reliable FUJITSU products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure-as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products

www.fujitsu.com/global/services/computing/

- PRIMERGY: Industrial standard server
- ETERNUS: Storage system

Software

www.fujitsu.com/software/

- Windows Server: PRIMERGY Operating System
- ServerView: PRIMERGY Server Management

MORE INFORMATION

Learn more about Fujitsu PRIMERGY, please contact your Fujitsu sales representative, Fujitsu business partner, or visit our website.

www.fujitsu.com/fts

FUJITSU GREEN POLICY INNOVATION

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at:
www.fujitsu.com/global/about/environment/



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