

Overview

Take the first step toward transforming your HP ProLiant servers into a best-run server infrastructure with the iLO Power Management Pack - time-smart management software that delivers total lights-out control, maximum energy efficiency, and centralized system insight for your HP ProLiant infrastructure. With the iLO Power Management Pack, you can expect to realize the following management benefits:

- Enhanced infrastructure stability and reduced incidence of unplanned downtime
- Reduced time and cost associated with infrastructure roll-out, change, and update
- Optimized utilization of data center power and cooling facilities
- Efficient use of scarce IT talent.

Delivered on DVD media, the iLO Power Management Pack uses an integrated installer to deploy and configure HP Systems Insight Manager (HP SIM) and the HP Insight Power Manager software rapidly and consistently, reducing manual installation procedures and speeding time to production. The iLO Power Management Pack delivers core management functionality for ProLiant servers, including hardware health, comprehensive remote control, and power and thermal measurement, reporting, and regulation.

When purchasing licenses for the iLO Power Management Pack, you will receive a license package for either one or a custom number of licenses (flex kit). You can also optionally order the Insight Control Management DVD to obtain a physical media kit with the iLO Power Management Pack software or download the DVD ISO image from the HP website.

iLO Power Management Pack includes one year of 24 x 7 HP Software Technical Support and Update Service ensuring rapid access to HP support staff and proactive delivery of software updates. For more information about this service, please visit:

<http://www.hp.com/services/insight>.

Starting in November 2007, a license entitlement certificate will be delivered in place of a live license key code. The license entitlement certificate will contain information needed to redeem live license key codes online. This new electronic redemption process will allow for easier license management and better service and support tracking. For more information, please visit

<http://www.hp.com/go/ICe-license>.

What's New

- Support for Microsoft SQL Express and Windows Server 2008 (managed system only)
- New HP Systems Insight Manager 5.2 - easier to install and use plus new iLO license key deployment

At A Glance

HP (iLO) Power Management Pack includes the following primary components that are installed by default using the wizard-based integrated installer.

- HP Systems Insight Manager 5.2
- HP Insight Power Manager 1.40
- HP iLO Advanced Pack (setup only required on the managed server)

Models

iLO Power Management Pack for HP BladeSystem

NOTE: Electronic licensing options are available for Insight Control suites and select ProLiant Essentials software products. Please see the appropriate Insight Control and ProLiant Essentials QuickSpecs for additional information.

HP iLO Power Management Pack for BladeSystem License including 1 year of 24x7

T9078AAE

Overview

Technical Support and Updates, Electronic

NOTE: This part number can be purchased as a single license or as multiple licenses for iLO Select and Insight Power Manager with a single activation key. Customer will receive a license entitlement certificate via e-mail. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s).

Includes one year of 24 x 7 HP Software Technical Support and Update Service.

NOTE: Electronic LTUs are only available through limited points of sales; if not available, order a printed license entitlement certificate (xxxxx-B2x) instead.

HP iLO Power Management Pack for BladeSystem, No Media, 1-Server License including 1 year of 24x7 Technical Support and Updates 442937-B21

NOTE: This option kit includes 1 license for iLO Select and Insight Power Manager.

Customer will receive a printed license entitlement certificate via physical shipment.

The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service.

HP iLO Power Management Pack for BladeSystem, No Media, 8-Server License, including 1 year of 24x7 Technical Support and Updates 442947-B21

NOTE: This option kit includes 8 licenses for iLO Select and Insight Power Manager.

Customer will receive a printed license entitlement certificate via physical shipment.

The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service.

HP iLO Power Management Pack for BladeSystem, No Media, Flexible-Quantity License, including 1 year of 24x7 Technical Support and Updates 442936-B21

NOTE: This part number can be used to purchase multiple licenses for iLO Select and Insight Power with a single activation key. Customer will receive a printed license entitlement certificate via physical shipment. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service.

HP iLO Power Management Pack for BladeSystem, No Media, Tracking License, including 1 year of 24x7 Technical Support and Updates 442939-B21

NOTE: For use with signed and implemented Activation Key Agreements (AKA) only.

Purchase of this part number entitles the customer to deploy additional licenses of the product under the terms of the existing Activation Key Agreement. Includes one year of 24 x 7 HP Software Technical Support and Update Service. No physical components or license keys are delivered in conjunction with the purchase of this part number. For more information on Activation Key Agreements please visit:

<http://h18004.www1.hp.com/products/servers/proliantessentials/license/akalic.html>

HP iLO Power Management Pack for HP ProLiant ML/DL Servers

HP iLO Power Management Pack Unlimited License including 1 year of 24x7 Technical Support and Updates, Electronic T9073AAE

NOTE: This part number can be purchased as a single license or as multiple licenses for iLO Advanced and Insight Power Manager with a single activation key. Customer will receive a license entitlement certificate via e-mail. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service.

NOTE: Electronic LTUs are only available through limited points of sales; if not available, order a printed license entitlement certificate (xxxxx-B2x) instead.

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HP iLO Power Management Pack, No Media, 1-Server License, including 1 year of 24x7 Technical Support and Updates NOTE: This option kit includes 1 license for iLO Advanced and Insight Power Manager. Customer will receive a printed license entitlement certificate via physical shipment. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service.	452145-B21
HP iLO Power Management Pack, No Media, Flexible-Quantity License, including 1 year of 24x7 Technical Support and Updates NOTE: This part number can be used to purchase multiple licenses for iLO Advanced and Insight Power Manager with a single activation key. Customer will receive a printed license entitlement certificate via physical shipment. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service.	452146-B21
HP iLO Power Management Pack, No Media, Tracking License, without 1 year of 24x7 Technical Support and Updates NOTE: Tracking licenses may only be purchased by customers that have implemented an activation key agreement (AKA) with HP. Only customers that have implemented an AKA agreement prior to July 9, 2007 should purchase tracking licenses without 24 x 7 support.	436277-B21
HP iLO Power Management Pack, No Media, Tracking License, including 1 year of 24x7 Technical Support and Updates NOTE: For use with signed and implemented Activation Key Agreements (AKA) only. Purchase of this part number entitles the customer to deploy additional licenses of the product under the terms of the existing Activation Key Agreement. Includes one year of 24 x 7 HP Software Technical Support and Update Service. No physical components or license keys are delivered in conjunction with the purchase of this part number. For more information on Activation Key Agreements please visit: http://h18004.www1.hp.com/products/servers/proliantessentials/license/akalic.html	452147-B21

Standard Features

Single Media

Delivered on the Insight Control Management DVD for simplified installation and licensing. The iLO Power Management Pack and iLO Power Management Pack for BladeSystem contains HP SIM and Insight Power Manager software that provide total remote control, centralized system insight, and maximum energy efficiency from your investment in HP ProLiant servers.

Integrated Installer

The Insight Control Management integrated installer that is used to install the iLO Power Management Pack provides a streamlined, automated process to deploy and configure HP SIM and ProLiant Essentials software more consistently and rapidly, with less manual intervention.

The integrated installer includes a wizard-based interface that presents a series of configuration questions. Once the configuration questions have been completed, the following components will be deployed as a single process.

- HP Systems Insight Manager
- HP Insight Power Manager

NOTE: The iLO Select and Advanced Pack firmware is already resident on the Integrated Lights-Out 2 management processor and does not require any additional software installation.

Unified Infrastructure Management

The iLO Power Management Pack, based on HP Systems Insight Manager and ProLiant Essentials software, provides a unified, secure and extensible platform to centrally manage servers, storage and other infrastructure devices across multiple operating system environments.

HP SIM provides core management services that include device discovery and identification, event views, health monitoring, inventory data collection, and software version control and reporting. HP SIM is built on industry standards and is extensible with value-added ProLiant Essentials, Integrity Essentials and Storage Essentials as well as custom application and scripts to meet individual management needs. For more information on HP SIM, please reference the HP SIM QuickSpecs at:

<http://h18004.www1.hp.com/products/servers/management/hpsim/index.html>

Lights-Out Remote Management

The iLO Power Management Pack, through the iLO2, provides comprehensive Lights-Out remote management capabilities for ProLiant servers, including high performance virtual KVM for routine and emergency remote administration, remote access to server power control and event logs, virtual media for simple deployment and update of remote servers, and single server power measurement and regulation.

Lights-Out remote management provides continuous access to ProLiant servers independent of OS state and prevents the need for most travel related to routine server maintenance. For more information iLO2, please visit: http://h18000.www1.hp.com/products/quickspecs/12623_div/12623_div.html.

Standard Features

Precise Power and Thermal Measurement and Regulation

The Insight Power Manager function within the iLO Power Management Pack delivers precise power and thermal measurement and reporting as well as the ability to set power regulation policies - including limits on maximum power consumption - across groups of ProLiant servers. This ensures that data center facilities managers have the information and tools they need to optimize server density within existing power and cooling constraints and ensure efficient use of power resources.

The Insight Power Manager (IPM) function is supported on a select group of ProLiant servers. This group contains a power meter and also ships with the iLO2 management processor. For more information on IPM please reference the Insight Power Manager QuickSpecs.

Supported Products

Hardware Support

Supported Servers

ProLiant BL c-Class (HP BladeSystem):

- HP ProLiant BL460c
- HP ProLiant BL465c
- HP ProLiant BL480c
- HP ProLiant BL680 G5
- HP ProLiant BL685c
- HP ProLiant xw460c (workstation blade)

ProLiant BL c-Class Enclosure:

- HP BladeSystem c7000 enclosure
- HP BladeSystem c3000 enclosure

ProLiant ML (expansion-optimized):

- HP ProLiant ML350 G5
- HP ProLiant ML370 G5

ProLiant DL (rack-optimized):

- HP ProLiant DL360 G5
- HP ProLiant DL365
- HP ProLiant DL380 G5
- HP ProLiant DL385 G2

NOTE: This is a list of supported servers. Some may be discontinued.

Software Support

Host Operating System Platforms for Central Management Server (HP SIM)

- Microsoft Windows 2003 Advanced
- Microsoft Windows 2003 Enterprise
- Microsoft Windows 2003 R2 Enterprise
- Red Hat Enterprise Linux 4
- SUSE Linux Enterprise Server 10
- HP UX 11i Version 2

Host Database for Central Windows Management Server (HP SIM)

- Microsoft SQL Express
- MSDE 2000
- Microsoft SQL Server 2004 Enterprise Edition
- Oracle 9i Enterprise Edition
- Oracle 9i Standard Edition

Linux

- PostgreSQL 7.4.8

Managed (Target) Operating System Platforms

As operating system independent solutions, all operating systems supported on ProLiant servers may be used with this product.

Related Options

HP Insight Control and ProLiant Essentials Offerings

HP Insight Control suite for HP ProLiant ML/DL Servers

HP Insight Control suite License including 1 year of 24x7 Technical Support and Updates, Electronic T9074BAE

NOTE: This part number can be purchased as a single license or as multiple licenses with a single activation key. Customer will receive a license entitlement certificate via e-mail. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service.

NOTE: Electronic LTUs are only available through limited points of sales; if not available, order a printed license entitlement certificate (xxxxx-B2x) instead.

HP Insight Control suite, No Media, 1-Server License, including 1 year of 24x7 Technical Support and Updates 452148-B22

NOTE: Customer will receive a printed license entitlement certificate via physical shipment. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service.

HP Insight Control suite, No Media 10-Server License, including 1 year of 24x7 Technical Support and Updates 452676-B22

NOTE: Customer will receive a printed license entitlement certificate via physical shipment. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service.

HP Insight Control suite, No Media, Flexible-Quantity License, including 1 year of 24x7 Technical Support and Updates 452149-B22

NOTE: This part number can be used to purchase multiple licenses with a single activation key. Customer will receive a printed license entitlement certificate via physical shipment. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service

HP Insight Control suite, No Media, Tracking License, including 1 year of 24x7 Technical Support and Updates 452150-B21

NOTE: For use with signed and implemented Activation Key Agreements (AKA) only. Purchase of this part number entitles the customer to deploy additional licenses of the product under the terms of the existing Activation Key Agreement. Includes one year of 24 x 7 HP Software Technical Support and Update Service. No physical components or license keys are delivered in conjunction with the purchase of this part number. For more information on Activation Key Agreements please visit:

<http://h18004.www1.hp.com/products/servers/proliantessentials/license/akalic.html>

HP Insight Control suite Advanced Upgrade Flexible-Quantity License including 1 year of 24x7 Technical Support and Updates, Electronic T9404AAE

NOTE: This part number can be purchased as a single license or as multiple licenses with a single activation key. Customer will receive a license entitlement certificate via e-mail. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service.

NOTE: Electronic LTUs are only available through limited points of sales; if not available, order a printed license entitlement certificate (xxxxx-B2x) instead.

HP Insight Control suite Advanced Upgrade, No Media, Flexible-Quantity License 464063-B21

Related Options

including 1 year of 24x7 Technical Support and Updates

NOTE: This part number can be purchased as a single license or as multiple licenses with a single activation key. Customer will receive a license entitlement certificate via e-mail. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service. Only available directly from HP and select resellers in the Americas region.

HP Insight Control suite for HP BladeSystem

HP Insight Control suite for BladeSystem License including 1 year of 24x7 Technical Support and Updates, Electronic T9075AAE

NOTE: This part number can be purchased as a single license or as multiple licenses with a single activation key. Customer will receive a license entitlement certificate via e-mail. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service.

NOTE: Electronic LTUs are only available through limited points of sales; if not available, order a printed license entitlement certificate (xxxxx-B2x) instead.

HP Insight Control suite for BladeSystem No Media 8-Server License, including 1 year of 24x7 Technical Support and Updates 436747-B22

NOTE: Customer will receive a printed license entitlement certificate via physical shipment. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service

HP Insight Control suite for BladeSystem, No Media, Flexible Quantity License including 1 year of 24x7 Technical Support and Updates 436749-B22

NOTE: This part number can be used to purchase multiple licenses with a single activation key. Customer will receive a printed license entitlement certificate via physical shipment. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service.

HP Insight Control suite for BladeSystem RDP Upgrade License including 1 year of 24x7 Technical Support and Updates, Electronic T9101AAE

NOTE: For use in environments where RDP is already installed and licensed. This part number can be purchased as a single license or as multiple licenses with a single activation key. Customer will receive a license entitlement certificate via e-mail. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service.

NOTE: Electronic LTUs are only available through limited points of sales; if not available, order a printed license entitlement certificate (xxxxx-B2x) instead.

NOTE: This option does not include RDP licenses.

HP Insight Control suite for BladeSystem RDP Upgrade No Media, 8-Server License, including 1 year of 24x7 Technical Support and Updates 436751-B22

NOTE: For use in environments where RDP is already installed and licensed. Customer will receive a printed license entitlement certificate via physical shipment. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service.

HP Insight Control suite for BladeSystem RDP Upgrade, No Media, Flexible-Quantity License, including 1 year of 24x7 Technical Support and Updates 436753-B22

Related Options

NOTE: For use in environments where RDP is already installed and licensed. This part number can be used to purchase multiple licenses with a single activation key. Customer will receive a printed license entitlement certificate via physical shipment. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service.

NOTE: This option does not include RDP licenses.

HP Insight Control suite for BladeSystem, No Media, Tracking License, including 1 year of 24x7 Technical Support and Updates 437786-B22

NOTE: For use with signed and implemented Activation Key Agreements (AKA) only. Purchase of this part number entitles the customer to deploy additional licenses of the product under the terms of the existing Activation Key Agreement. Includes one year of 24 x 7 HP Software Technical Support and Update Service. No physical components or license keys are delivered in conjunction with the purchase of this part number. For more information on Activation Key Agreements please visit

<http://h18004.www1.hp.com/products/servers/proliantessentials/license/akalic.html>

HP Insight Control Management Software Media kit 436222-B21

NOTE: Insight Control Management DVD media without licenses. Contains Insight Manager and Essentials software products and components licensed by Insight Control Management suites. Uses an integrated installer to perform quick and accurate software installation and updates.

Remote Management

NOTE: Electronic licensing options are available for Insight Control suites and select ProLiant Essentials software products. Please see the appropriate Insight Control and ProLiant Essentials QuickSpecs for additional information.

Insight Power Management Packs

HP Insight Power Manager License including 1 year of 24x7 Technical Support and Updates, Electronic T9079AAE

NOTE: This part number can be purchased as a single license or as multiple licenses with a single activation key. Customer will receive a license entitlement certificate via e-mail. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service.

NOTE: Electronic LTUs are only available through limited points of sales; if not available, order a printed license entitlement certificate (xxxxx-B2x) instead.

HP Insight Power Manager, No Media, 1-Server License, including 1 year of 24x7 Technical Support and Updates 452677-B21

NOTE: Customers purchasing this upgrade must already have an iLO Advanced or Select license on each managed server. Customer will receive a printed license entitlement certificate via physical shipment. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service

HP Insight Power Manager Pack, No Media, Flexible-Quantity License, including 24x7 support 452678-B21

NOTE: For use with multiple servers. This part number can be used to purchase multiple licenses of Insight Power Manager with a single activation key. Customer will receive a printed license entitlement certificate via physical shipment. The license entitlement certificate must be redeemed online or via fax in order to obtain the license activation key(s). Includes one year of 24 x 7 HP Software Technical Support

Related Options

and Update Service.

HP Insight Power Manager, No Media, Tracking License, including 1 year of 24x7 Technical Support and Updates 453897-B21

NOTE: For use with signed and implemented Activation Key Agreements only.

Purchase of this part number entitles the customer to deploy additional licenses of the product under the terms of the existing Activation Key Agreement. For additional information on Activation Key Agreements please visit:

<http://h18004.www1.hp.com/products/servers/proliantessentials/license/akalic.html>.

Service and Support Offerings (HP Care Pack Services)

HP iLO Power Manager for Blade Software, 3 Year, 24x7 Support UF521E

HP iLO Power Manager for Non-Blade Software, 3 Year, 24x7 Support UF524E

HP iLO Power Manager for Blade Software, 8-Server License, 3Year, 24x7 Support UF530E

Service and Support, HP Care Pack, and Warranty Information

Warranty HP will replace defective delivery media replacement for a period of 90 days following the date of purchase.

Software Support HP offers a number of software support services, many of which are provided to customers at no additional charge.

Software Technical Support and Update Service

ProLiant Essentials Virtual Machine Management Pack includes one year of 24 x 7 HP Software Technical Support and Update Service. This service provides access to HP technical resources for assistance in resolving software implementation or operations problems. The service also provides access to software updates and reference manuals either in electronic form or on physical media as they are made available from HP. (Customers who purchase an electronic license to use are eligible for electronic updates only.) With this service, Insight Control and ProLiant Essentials customers will benefit from expedited problem resolution as well as proactive notification and delivery of software updates. For more information about this service, see <http://www.hp.com/services/insight>.

If you received a license entitlement certificate, registration for this service will automatically take place upon redemption of the license certificate/key online and a service contract will be created for you.

If the license information you received for your product instructs you to register for Software Technical Support and Update Service, please follow the instructions or you will not be eligible for telephone support or product updates.

Once registered for this service, you will receive a letter in the mail containing the Customer Service Phone number for your reference and your Service Agreement Identifier (SAID). After you have received your SAID, you can go to the Software Update Manager (SUM) web page to view your contract online and elect electronic delivery for your updates.

Join the Discussion

The HP Support Forum is a community-based, user-supported tool for HP customers to participate in discussions amongst the customer community about HP products. For discussions related to Insight Control and ProLiant Essentials software, see the "Management Software and System Tools" area.

Software and Drivers Download Pages

Provides latest software and drivers for your ProLiant products.

Management Security (<http://www.hp.com/servers/manage/security>)

HP is proactive in its approach to the quality and security of all its management software. Be sure to check this website often for the latest down loadable security updates.

Obtain the latest SmartStart Release (<http://www.hp.com/servers/smartstart>)

The SmartStart, Management, and Firmware CDs are now freely available for download following a simple registration from the SmartStart web site. If you wish to receive physical kits with each release, you can order single release kits from the SmartStart web site. To receive proactive notification when SmartStart releases are available, subscribe to Subscriber's Choice at <http://www.hp.com/go/subscriberschoice>.

For support questions in the U.S. that are not covered in any of the above services, please call 1-800-HP-INVENT (1-800-474-6836). (When prompted, say "Insight Manager.") HP Worldwide numbers for HP SIM, Insight Control, and ProLiant Essentials are available at <http://www.hp.com/country/us/en/wwcontact.html>.

Service and Support, HP Care Pack, and Warranty Information

Environment-friendly Products and Approach

End-of-life Management and Recycling

Hewlett-Packard offers end-of-life HP product return, trade-in, and recycling programs in many geographic areas. For trade-in information, please go to <http://www.hp.com/go/green>. To recycle your product, please go to: <http://www.hp.com/go/green> or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: <http://www.hp.com/go/green>. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

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