

Overview

Models

157866-001

New Remote Insight Lights-Out Edition provides virtual graphical control using any standard browser to your remote or data center server, giving maximum control of system hardware and operating system, from anywhere, anytime.

What's New

New Power Cord Option Kits

Product Highlights

Virtual Graphical Remote Console

Remote Insight Lights-Out Edition delivers an embedded, hardware-based graphical remote console capability that provides virtual presence to servers in data center and remote sites, giving full control of remote server display, keyboard, and mouse. It seamlessly supports text and graphics modes, displaying all phases of remote server activities (shutting down, starting up, loading OS operation) and is OS independent (Microsoft® NT® Server 4.0, NetWare 5, SCO UnixWare 7, OS/2 etc.). It works with a standard browser; no additional software is required on the remote server or client. With the new firmware version 2.31, the graphical remote console supports single mouse cursor allowing easy navigation within the remote server screen. Java™ VM 1.3 is required on the client machine.

Dedicated LAN Network Connectivity

An onboard Ethernet chip (10/100 Mb/s) on the Remote Insight Lights-Out Edition provides IT Administrators with a dedicated network connection to the managed server. The board provides in-band SNMP notification in case of server problems to the Central Site management station on a real-time basis, without needing to maintain separate telephone connections or modem sharing devices. If dial-up access is desired, the board can be used in combination with an external RAS or modem router gateway.

Browser Accessible

Remote Insight Lights-Out Edition is accessible via Microsoft Internet Explorer or Netscape Navigator. This allows easy access from anywhere, anytime to Remote Insight features to perform remote management tasks using a familiar user interface. The board has its own Web Server that is independent of the server operating system, and provides HTML pages to any browser to use the Remote Insight features.

Virtual Power Button

Using a standard browser, authenticated users can remotely control the host server's power button. If the server is powered off, it can be turned back on by a mere click in the browser. For an updated list of servers that support this feature, visit <http://h18013.www1.hp.com/products/servers/management/remotelightsout/server-slot-matrix.html>.

Virtual Floppy Drive

The Remote Insight Lights-Out Edition supports a virtual floppy drive which allows the host server to remotely boot from a standard 1.44-MB floppy diskette (Windows® 95, 98, DOS®). Using a free diskette image utility an administrator can quickly capture a snapshot file of a bootable floppy inserted in any network client. Once a floppy image file is saved, the administrator can then easily direct the host server to boot from the "virtual" floppy through the Remote Insight Lights-Out Edition web-interface. Additionally, the administrator can use the virtual floppy drive capability in combination with the graphical remote console to observe and control the server while the virtual floppy is in use. The virtual floppy drive also allows additional virtual floppy diskettes to be inserted and used (one at a time) by the remote host server.

Power Cycle (Reset)

This feature allows the remote administrator to reboot the server on demand; when the system is not responding a cold-reboot can be initiated to bring the server back on-line. This feature is broadly supported on all PCI-based Compaq ProLiant and Prosignia servers.

Auto-Configuration of IP Address via DNS/DHCP

Remote Insight lights-Out allows automatic network configuration and can be put to use straight out of the box. The board comes with a default name and DHCP client that leases an IP address when a DNS/DHCP server is on the network. Also allows static IP and port configuration.

External Power Backup

An external power adapter provides continuous power backup to the board allowing continuous access to the server, even when there is a server power failure or the server has been turned-off.

Reset and Failure Sequence Replay

It captures and replays server video text to assist in locating startup problems and causes of failure.

Product Highlights

Insight Manager and Web-Enabled Agent Integration

It fully integrates with Insight Manager under key operating environments providing full SNMP management. The Remote Insight Lights-Out Edition also provides seamless access to the host server's web-enabled agents. Insight Manager also allows detailed diagnostics of the card, ensuring that the card is always online.

ROM-based Setup Utility

Onboard ROM-based setup utility allows fast and easy setup without additional software.

Integration with Compaq Survey

Utilizing an industry-standard browser, users can access the host server Compaq Survey configuration file, providing the latest server configuration information to assist in the diagnostic process.

Directory Integration for User Management

The Remote Insight Lights-Out Edition integrates with enterprise-class directory services to provide **secure, scalable, and cost effective** user management. Directory services, such as Microsoft Active Directory and Novell eDirectory, can be used to authorize directory users with assigned user roles to Remote Insight Lights-Out Edition cards. An easy and reliable installation program is available to install a management console snap-in and extend customer's existing directory schema to enable directory support for the HP lights-out management products. A directory migration tool is available to automate the integration of existing HP lights-out management devices to directory services. The Remote Insight Lights-Out Edition also supports up to 12 local user accounts with customizable access rights, each with individual login and password.

Customizable Accounts

Remote Insight Lights-Out Edition supports up to 12 users with customizable access rights, each with individual login and password.

Group Administration

Using Insight Manager XE 2.0, or later, users can be managed in groups making on-going maintenance easier. Users can be added or deleted, and password and access rights can be updated for a group of cards rather than one at a time.

Security

Using industry standard Secure Sockets Layer (SSL), all HTTP data is encrypted across the network, ensuring the highest level of protection. Configurable access rights for users and encrypted passwords provide protection from unauthorized access. Numerous additional security features include event generation for failed login attempts, enforced delay after unsuccessful login attempts, configurable IP port assignments, optional inbound IP address verification/lockout for each user, and optional lockout for the remote console telnet port.

Alert Administration

It provides support for SNMP trap delivery to Insight Manager or Insight Manager XE console. Traps forwarded by the board can be configured in Insight Manager for delivery to an administrator's pager or e-mail.

Integrated Management Log

It maintains a copy of the host server Integrated Management Log, that can be accessed using a standard browser even when the server is not operational.

Integrated Lights-Out Event Log

It includes a detailed event log independent of operating system, which is easily accessible through the browser or through Compaq Insight Manager. User actions like server power on/off, reset, changes in user configuration, clear event log, successful and unsuccessful login attempts are logged in the Remote Insight Event Log enabling auditing of user actions by the supervisor.

Product Highlights

Option Kit Contents

- Remote Insight Lights-Out Edition
 - External Power Adapter
 - Power Cord(s)
 - Keyboard-Mouse Adapter Cable
 - Management CD
 - SmartStart and Support Software CD
 - Documentation CD
 - Remote Insight Lights-Out Edition Installation Poster
 - Virtual Power Button Cables (16 pin, 4 pin, split 4 pin)
-

Power Cord Option Kit

These cables are designed for connecting RILOE cards to high voltage PDUs. Each cable can connect up to two RILOE cards.

Remote Insight Board High Voltage Power Cord

201493-001
(single cable)

Remote Insight Board High Voltage Power Cord Multi

201493-002
(pack of 20)

Warranty

One-year, limited warranty – Certain restrictions and exclusions apply. Consult the Customer Support Center at 1-800-652-6672 for details.

Technical Specifications

Architecture	32-bit PCI-based remote management board (32-bit slot on primary bus)
Processor	Intel® 960RP embedded processor
Upgradability	Option firmware upgradable via flash ROM.
Video Support	Onboard VGA, 640 x 480 (256 to 16.7M colors), 800 x 600 (256 to 16.7M colors), 1024 x 768 (256 to 65K colors), 1280 x 1024 (256 colors)
Interfaces	External power connector One keyboard/mouse input/output One video output One Ethernet network connection (10/100 Mb/s)
External Power Adapter	9V DC, 1A
Memory	2-MB flash ROM 16-MB RAM 4-MB video RAM
Remote Insight Operating System Support	Microsoft Windows NT Server 3.51 and 4.0 Microsoft Windows 2000, Advanced Server, Data Center Novell NetWare 3.x, 4.x, and 5 SCO OpenServer 5 SCO UnixWare 7.x OS/2 Warp Server 4.0
Remote Insight Client Browser Support	Internet Explorer 4.01 (and later) Netscape Navigator 4.05 (and later) Any other Java 1.1 compliant browser software

Compatibility

Servers

For an updated list of supported servers, visit

<http://h18013.www1.hp.com/products/servers/management/remote-lightout/server-slot-matrix.html>

© Copyright 2003 Hewlett-Packard Development Company, L.P.

The information contained herein is subject to change without notice.

Windows is a US registered trademark of Microsoft Corporation.

The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.