



Intel® Server Management

NO TIME FOR DOWNTIME

Intel® Server Management provides cost-effective, industry-leading system management for Intel® server boards.

intel®

NO TIME FOR DOWNTIME

Customers buy servers today to conduct serious business: to run a Web site, email, databases, e-commerce, or other business-critical operations. Server downtime can literally shut down a business. To effectively manage their business, companies must manage their servers. The cost of server downtime ranges from thousands to tens of thousands of dollars a day—a major loss for any company.

One of the biggest competitive advantages of Intel® server boards is Intel® Server Management—a set of hardware and software technologies built into every Intel server board that monitors and diagnoses server health. Intel Server Management has the potential to save your customers thousands of dollars in downtime—and increase your service revenues.

What is Intel Server Management?

Intel Server Management is a combination of powerful hardware and software technologies that watches over servers as they work.

Comprehensive IT Systems Management

Network and Systems Management

High-level Network Device Status

Application Management

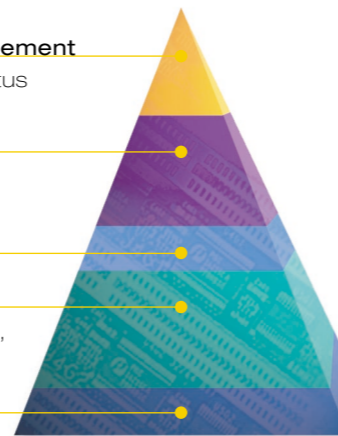
Software Application Access and Health

Operating System

Intel Server Management

Server Voltages, Temperatures, Fan Speeds, FRU Information

Intel Server Baseboard



Intel Server Management hardware removes the need for a remote management card. Comprised of more than 200 components on the server board, it watches critical voltages, temperatures, fan speeds, and more. It makes sure that all components are running to factory specifications and that fans are operating and cooling properly. Intel Server Management catches overheating processors, memory errors, and chassis intrusions. It even stores information on server components, so when you need to order a part, you know the Intel catalog number. Because it's wired to standby power, Intel Server Management works even when the server is turned off or the operating system is down.

Intel Server Management software continuously monitors critical hardware, resets the server if the operating system fails, and allows customers to integrate to higher-level management software such as HP OpenView*, CA Unicenter*, or Intel® LANDesk® Server Manager. This allows you to extend network and system management to the server baseboard, offering a rare opportunity to manage the entire IT infrastructure from one common console. Intel Server Management can access the server regardless of whether the operating system is up, down, or hung.

Key Benefits

Keep Servers Available. Implementing Intel Server Management can result in more server uptime, higher productivity, and uninterrupted revenue for your customers. It proactively notifies you or your customer of small problems before they turn into big ones. By keeping the server alive and well, Intel Server Management helps protect business-critical server transactions.

Boost Customer Confidence. Having Intel Server Management at work will help increase your customers' confidence in their servers and in you. Happy customers are repeat customers who bring others to your door.

No Remote Management Card Needed. Unlike other server management solutions, Intel Server Management requires no separate remote management card – saving hundreds of dollars.

Lower Support Costs. Intel Server Management helps you remotely diagnose and fix problems faster, with fewer staff. When you do make a service call, you already have the problem diagnosed and the correct replacement part in hand.

Increase Revenues. Intel Server Management gives you a new way to make money: by selling server monitoring and support services. Offering remote server management services can potentially add thousands of dollars to your bottom line.

The Intel Server Management Advantage

CUSTOMER NEED	INTEL SOLUTION	BENEFIT
Remote emergency management	Remote access to system status, logs, configuration data and utilities Event filtering and alerting	Remote access from virtually anywhere, at any time—without a remote management card Decrease server downtime through proactive LAN and mobile device alerts of potentially serious events before they become critical
System monitoring and auto-recovery	System health indicators and corrective actions including: <ul style="list-style-type: none"> Automated power cycling OS watchdog timer Fault-resilient booting 	Increase server availability by proactively monitoring and managing system resources
Server troubleshooting	Remote diagnostics, health monitoring, text console redirection, error logs, environmental monitoring and Self-Monitoring, Analysis and Reporting Technology (SMART) drive predictive failure	Improved manageability and mean time to repair
System and chassis validation	Intel server boards validated with Intel chassis ensures high quality and reliability	An Intel chassis adds valuable features: <ul style="list-style-type: none"> Chassis/server validation Chassis intrusion Fan monitoring Power supply monitoring and predictive failure Validated thermals Intelligent chassis management bus access Front panel display and control Seamless integration with hot-swap back plane

Intel® Server Management—Compatible With Your World

Software Type	Protocols or Applications
Industry standards	Intelligent Platform Management Interface (IPMI), for more information, go to http://developer.intel.com/design/servers/ipmi/index.htm Advanced Configuration and Power Management Interface (ACPI), Wake On LAN, Desktop Management Interface (DMI), Simple Network Management Protocol (SNMP)
Enterprise management software	Hewlett Packard OpenView*, Computer Associates UniCenter*, Intel® LANDesk® Server Manager
Security	Challenge Handshake Authentication Protocol (CHAP)
Operating systems	Windows* 2000, Windows* NT*, Red Hat* Linux*, SCO UnixWare*, Novell NetWare*

Your Intel Server Management Resources

Easy installation	Software resource CD included in each boxed Intel® server board Intel® Server Control Quick Start Guide included in each boxed Intel server board	
Technical support	Online training and documentation How to install and sell Server Management modules 24x7 online technical support and software updates 24x7 toll-free customer support, available worldwide	
Additional software resource CD content	Intel® Server Control Remote diagnostics Server utilities RAID, network and video drivers Technical product specifications Links for online updates and technical support	Server management videos Server product videos Quick start guides Product guides Product briefs
Training	Server solution training, Intel® Channel Conference, Intel® Solutions Summit	
Intel Server Management localization	English, German, Korean, Simplified Chinese, Spanish	

For more information:

www.intel.com/go/serverbuilder

Contact your local Intel sales or technical representative

Where to find Intel Server Management:

System Resource CD included with every Intel server board

Online software updates available at <http://support.intel.com>

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