

# Lenovo XClarity Energy Manager

Intelligent Server Power Management to Optimize Data Center Efficiency



## Gain Control of Data Center Power

XClarity Energy Manager identifies server power consumption trends and ideal power settings so you can define and optimize power-saving policies — including power capping by time of day and/or day of week — without compromising on performance.

When a user-defined threshold is reached, an alert can be generated to inform you of the event. You can even monitor a server's inlet temperature to locate hot spots, reducing the risk of data or device damage. With the ability to monitor, analyze and manage the power and temperature of Lenovo and non-Lenovo servers, XClarity Energy Manager enables you to optimize data center efficiency.

## Decrease Energy Costs

Lenovo XClarity Energy Manager is a web-based power management console that enables you to track, manage and plan server power utilization to decrease power and cooling expense — helping to lower your total cost of ownership. Easy to install and use, XClarity Energy Manager provides a detailed view into server energy consumption and enables policy-based management from the node to the data center level. Using built-in analysis tools, Energy Manager uses real-time data to improve and automate business processes, saving you time and money.

## Smart Management

Leveraging the sensor capability inherent in innovative Lenovo systems, XClarity Energy Manager provides:

- Data center hierarchy management
- Cooling analysis
- Low utilization server identification
- Server power characteristics analysis
- Event management
- Emergency power reduction

The customizable XClarity Energy Manager console provides you with the tools, data and analysis to take control of your data center power.

Lenovo

XClarity Energy Manager

## Specifications

| Managed Hardware*   |  |
|---|--|
| Supported Lenovo Servers  | <ul style="list-style-type: none"><li>• Select Lenovo System x servers</li><li>• Select Lenovo ThinkServer servers</li><li>• Select Lenovo Flex System compute notes</li></ul>   |
| Compatibility with Intel® Datacenter Manager and non-Lenovo Servers | <ul style="list-style-type: none"><li>• XClarity Energy Manager leverages industry standard protocols to communicate with servers and is compatible with Intel Datacenter Manager. Together with Intel Datacenter Manager, XClarity Energy Manager can operate in a multi-vendor environment, both with Lenovo and non-Lenovo x86 servers. This interoperability with non-Lenovo servers is offered as-is.</li></ul> |
| Software Requirements for Installation*                             |  |
| Operating Systems for Installing the Management Solution            | <ul style="list-style-type: none"><li>• Microsoft® Windows® Server</li><li>• Red Hat Enterprise Linux Server</li><li>• SUSE Linux Enterprise Server</li></ul>  |

\* For additional system requirements, see the [User Guide](#) .

## Why Lenovo

Lenovo is the leading provider of x86 systems for the data center. The portfolio includes rack, tower, blade, dense and converged systems, and supports enterprise class performance, reliability and security. Lenovo also offers a full range of networking, storage, software and solutions, and comprehensive services supporting business needs throughout the IT lifecycle.

## For More Information

To learn more about the Lenovo XClarity Energy Manager, contact your Lenovo Business Partner or visit:

[Lenovo XClarity Energy Manager](#)

[lenovo.com/systems/servers](http://lenovo.com/systems/servers)

