HP Energy Star Qualified Servers – Starting with HP ProLiant DL360 G6 and DL380 G6

Overview

HP is working with ENERGY STAR®, a voluntary energy efficiency program sponsored by the U.S. Environmental Protection Agency (EPA), to offer the industry's most energy-efficient servers. The HP ProLiant DL360 and DL380 G6 servers now meet the ENERGY STAR specifications for computer servers version 1.0, released on May 15. HP also expects to quickly add the DL160, DL180, DL320, DL350, DL370, DL385G5P and ML150 servers to the list of qualified servers.

As part of the most energy-efficient x86 server portfolio in the industry, the ENERGY STAR qualified G6 servers illustrate HP's commitment to helping customers conserve energy and save money. ENERGY STAR qualified products are 30 percent or more energy efficient than their counterparts, and reduce greenhouse gas emissions by meeting strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and the Department of Energy. The power customers save through using energy-efficient servers can help reduce the environmental impact of their businesses.

Hewlett-Packard Company
3000 Hanover Street
Palo Alto, CA 94304
www.hp.com

"The USEPA is very pleased to have worked with HP on this important new specification which will accelerate the reduction of energy consumption in the data center, help businesses reduce operating costs, and encourage companies to be more environmentally responsible", said Andrew Fanara, ENERGY STAR Program Manager.

The new G6 ProLiant servers use HP's exclusive Thermal Logic Technology, which offers a whole new architecture for power savings and delivers up to double the power efficiency of x86 servers sold just two years ago. Thermal Logic Technology features include:

- Dynamic Power Capping – enables customers to triple the number of servers in the data center by dynamically setting or "capping" the power drawn by servers. Dynamic Power Capping allows three times as many servers to be deployed within an existing data center. This enables customers to reclaim lost capacity due to over provisioning of power resources.
- Sea of Sensors – a collection of 32 smart sensors reduces server power usage based on real-time adjustments to operating conditions such as workload. These sensors provide fine-grained environmental monitoring throughout the system, preventing overcooling and adjusting fan speeds to avoid wasting power. When I/O or memory slots are not in use, the sensors can automatically reduce power accordingly.
- Common Slot Power Supplies – help minimize power waste by allowing customers to

choose from four power supplies to match their specific workloads. Customers can achieve more than 92 percent energy efficiency in the majority of real-world configurations

The ENERGY STAR for computer servers specification currently includes only industry-standard servers. As soon as the EPA expands the program to cover blade servers and multiprocessor servers, HP will certify existing HP BladeSystem and multiprocessor systems. These systems come equipped with Thermal Logic technologies and already lead the market in energy efficiency.

Starting prices for HP ProLiant G6 servers range from $999 to $2,105, and vary based on specific configurations.[1]

More information on HP ProLiant servers is available at www.hp.com/go/proliant.

Additional information on the ENERGY STAR specifications for computer servers version 1.0 is available at www.hp.com/go/proliant-energystar.

ENERGY STAR is a trademark of the U.S. Environmental Protection Agency in the U.S. and other countries.

[1] Estimated U.S. street prices. Actual prices may vary.