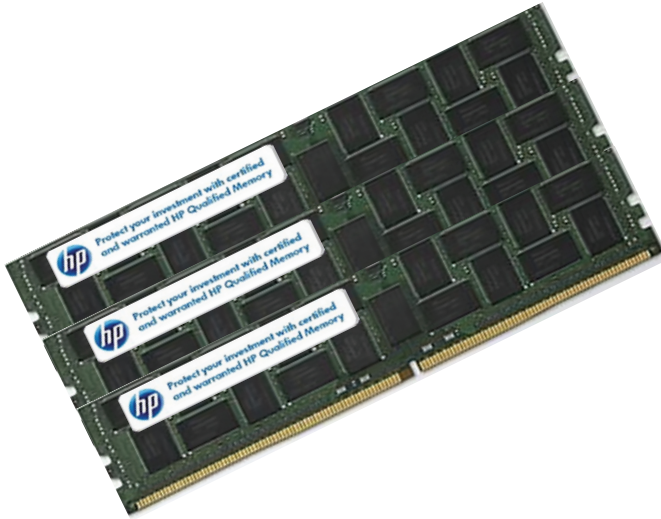# HP Server Memory

HP Qualified memory, purpose-built for HP ProLiant servers

Get higher performance, more power savings, and better efficiency with genuine, HP Qualified memory, built to work with HP ProLiant servers.

Qualified server memory from HP

HP Qualified Options mean every component has been through our rigorous qualification process that begins with using high-quality DIMMs, and extends beyond standard industry practice, to help enhance compatibility, performance, and reliability.

Only memory that meets the strict requirements of HP are selected to begin the HP Memory qualification process.

For the latest news, videos, podcasts, and updates visit **hp.com/go/memory**.

Enjoy reliability, performance, and compatibility

HP Memory authenticates whether memory has passed the rigorous qualification and test process from HP, and provides you high quality.

HP Memory is performance tested and tuned on every supported HP ProLiant server by changing workloads and using proprietary software that simulates extreme operating environments and conditions. This is key because these tests consider the robustness and signal integrity of the overall solution to further enhance compatibility and reduce the possibility of memory failures.

With HP Qualified Server Memory, you have the peace of mind of having an outstanding component that seamlessly integrates with your HP ProLiant to deliver unmatched performance and efficiency.

As applications grow more complex, memory becomes more critical to rapid server startup, processing, and interaction. By integrating HP SmartMemory, HP ProLiant Servers unlock an entirely new level of excellent performance for those resource-intensive apps.

Choose the right memory

Configuring your server with the right memory is critical to obtaining excellent performance. You simply cannot afford to have under-capacity memory servers, or face compatibility and quality issues that lead to operations disruption.

Your server hardware and workloads define the type of memory that best fits your needs. HP's broad memory portfolio ranges from HP Standard modules to our fast and low power consuming HP SmartMemory. Choose from different types and capacities to leverage memory slots and optimize capacity to support your business applications.

HP SmartMemory:
• Authentication verifies genuine HP SmartMemory and qualification with HP ProLiant servers

• Performance tuned and enhanced for HP ProLiant at higher speed on selected servers

• Unique technology introduced for ProLiant servers; provides real differentiation to industry-standard memory

• Built-in intelligence (advanced error detection) to improve performance, reduce downtime, and lower energy costs

• Capable of enhanced support through HP Active Health System

• Available in 2 GB to 64 GB capacity modules

HP Standard Memory:
• Performs to Intel®-defined specifications

• Supports HP ProLiant Gen9 Servers for 10 and 100 series

• Offers only low-capacity modules

Help me choose

Figure 1. Selection guide

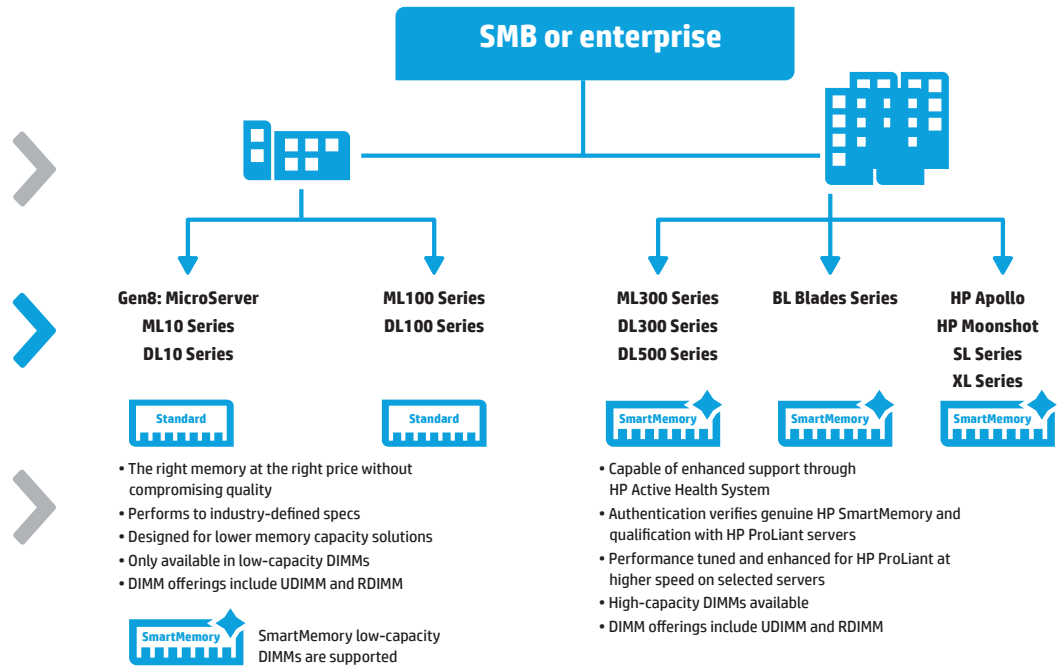**SMB or enterprise**

Business type

A small but growing business, along with midsized ones have different IT requirements than large enterprises. Business applications and workloads requirements define your server platform.

An HP server for every need

HP understands that when it comes to servers, one size does not fit all. That's why we offer you a comprehensive array of server families, purpose-built for a wide variety of business needs.

Gen8: MicroServer	**ML100 Series**
ML10 Series	**DL100 Series**
DL10 Series	

ML300 Series	**BL Blades Series**	**HP Apollo**
DL300 Series		**HP Moonshot**
DL500 Series		**SL Series**
		XL Series

HP Server Memory recommendation

HP's broad memory portfolio ranges from HP standard modules to our fast and low power consuming HP SmartMemory.

Standard   **Standard**

- The right memory at the right price without compromising quality
- Performs to industry-defined specs
- Designed for lower memory capacity solutions
- Only available in low-capacity DIMMs
- DIMM offerings include UDIMM and RDIMM

SmartMemory SmartMemory low-capacity DIMMs are supported

SmartMemory   **SmartMemory**   **SmartMemory**

- Capable of enhanced support through HP Active Health System
- Authentication verifies genuine HP SmartMemory and qualification with HP ProLiant servers
- Performance tuned and enhanced for HP ProLiant at higher speed on selected servers
- High-capacity DIMMs available
- DIMM offerings include UDIMM and RDIMM

HP Advanced Memory Error Detection Technology

This innovation monitors several memory parameters and seeks out specific defects that either cause performance degradation or significantly increases the probability of a non-recoverable memory condition. By improving the prediction of critical memory error conditions, this technology prevents unnecessary DIMM replacement and increases server uptime.

HP Active Health System

HP SmartMemory works in conjunction with the Active Health System, which monitors changes to the server hardware configuration to enable lifecycle monitoring of memory health status. Having insight into memory-related service events shortens diagnosing problems and delivers rapid resolutions when failures occur.

Learn more at
hp.com/go/memory

Sign up for updates
hp.com/go/getupdated

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