Supported Components

Memory

	DDR4-2133 ECC Registered DIMMs	Option Kit Part Number	Support Notes
CTO	16GB DDR4-2133 ECC Registered RAM	J9P83AA	
	8GB DDR4-2133 ECC Registered RAM	J9P82AA	
	DDR4-2400 ECC Registered DIMMs		
	HP 64GB (1x64GB) DDR4-2400 ECC LR RAM	T9V42AA	
	HP 32GB (1x32GB) DDR4-2400 ECC Reg RAM	T9V41AA	
	HP 8GB (1x8GB) DDR4-2400 ECC Reg RAM	T9V39AA	
	HP 16GB (1x16GB) DDR4-2400 ECC Reg RAM	T9V40AA	
	HP 4GB (1x4GB) DDR4-2400 ECC Reg RAM	T9V38AA	

NOTES:

For details on the supported memory configurations on the HP Z840 Workstation, please refer to the System Technical Specifications - System Board section of this document.

DIMMs should be equally distributed across all four memory channels for optimal performance.

Each processor supports up to 4 channels of DDR4 memory. To realize full performance at least 1 DIMM must be inserted into each channel.

The CPUs determine the speed at which the memory is clocked. For example, if a 1600MT/s capable CPU is used in the system, the maximum speed the memory will run at is 1600MT/s regardless of the specified speed of the memory.

MT/s = Million Transfers per second

You cannot intermix LR DIMMs with Registered DIMMs. The system will not work.

The Z840 is designed to work ONLY with DDR4 memory. The system will not work with DDR3 memory.