

Overview

DDR4 Memory for HP Business Desktop PCs

Models

DDR4-2133 Memory DIMMs

HP 4GB DDR4-2133 DIMM	P1N51AA/P1N51AT
HP 8GB DDR4-2133 DIMM	P1N52AA/ P1N52AT
HP 16GB DDR4-2133 DIMM	Y3X96AA/Y3X96AA

DDR4-2400 Memory DIMMs

HP 4GB DDR4-2400 DIMM	Z9H59AA/ Z9H59AT
HP 8GB DDR4-2400 DIMM	Z9H60AA/ Z9H60AT
HP 16GB DDR4-2400 DIMM	Z9H57AA/ Z9H57AT

DDR4-2133 Memory SoDIMMs

HP 4GB DDR4-2133 SoDIMM	P1N53AA/ P1N53AT
HP 8GB DDR4-2133 SoDIMM	P1N54AA/ P1N54AT
HP 16GB DDR4-2133 SoDIMM	P1N55AA/ P1N55AT

DDR4-2400 Memory SoDIMMs

HP 4GB DDR4-2400 SoDIMM	Z9H55AA/ Z9H55AT
HP 8GB DDR4-2400 SoDIMM	Z9H56AA/ Z9H56AT
HP 16GB DDR4-2400 SoDIMM	Z9H53AA/ Z9H53AT

Key Benefits

- Dual channel configuration - HP Desktops feature motherboards designed with two memory channels instead of a single channel.
- Reduce system latencies and significantly improve your system performance with dual channel memory configurations by utilizing the theoretical bandwidth of two memory modules instead of one.
- Expect fast start-up times with reduced delays during routine operations and system maintenance functions. Meet everyday workloads head on, and run more programs simultaneously. Easily toggle back and forth between several open applications with noticeable speed.

Service and Support

Your Option Limited Warranty is a one (1) year (HP Option Limited Warranty Period) parts replacement warranty on any HP-branded or Compaq-branded options (HP Options). If your HP Option is installed in an HP Hardware Product, HP may provide warranty service either for the HP Option Limited Warranty Period or the remaining Limited Warranty Period of the HP Hardware Product in which the HP Option is being installed, whichever period is the longer but not to exceed three (3) years from the date you purchased the HP Option.

Summary of changes

DDR4-2133 Memory DIMMs					
Kit Size	# of DIMMs	Compatibility*	Data Rate**	# of Pins	Motherboard Keynotch
HP 4GB DIMM (P1N51AA/AT)	1	HP 280 G2 MT, HP ProDesk 400 G3 SFF, HP ProDesk 400 G3 MT, HP ProDesk 600 G2 MT, HP ProDesk 600 G2 SFF, HP EliteDesk 800 G2 TWR, HP EliteDesk 800 G1 TWR and HP EliteDesk 800 G2 SFF NOTE: Please check this product's web page on HP.com for current compatibility information.	Transfer rates up to 2133 MT/s	288	Single
HP 8GB DIMM (P1N52AA/AT)	1	HP 280 G2 MT, HP ProDesk 400 G3 SFF, HP ProDesk 400 G3 MT, HP ProDesk 600 G2 MT, HP ProDesk 600 G2 SFF, HP EliteDesk 800 G2 TWR, HP EliteDesk 800 G1 TWR and HP EliteDesk 800 G2 SFF NOTE: Please check this product's web page on HP.com for current compatibility information.	Transfer rates up to 2133 MT/s	288	Single
HP 16GB DDR4-2133 DIMM (Y3X96AA/AT)	1	HP 280 G2 MT, HP 280 G2 SFF, HP ProDesk 400 G3 SFF, HP ProDesk 400 G3 MT, HP ProDesk 490 G3 MT, HP ProDesk 600 G2 MT, HP ProDesk 600 G2 SFF, HP EliteDesk 705 G3 MT, HP EliteDesk 705 G3 SFF, HP EliteDesk 800 G2 TWR, HP EliteDesk 800 G2 SFF,	Transfer rates up to 2133 MT/s	288	Single
DDR4-2133 Memory SoDIMMs					
Kit Size	# of SoDIMMs	Compatibility*	Data Rate**	# of Pins	Motherboard Keynotch
HP 4GB SoDIMM (P1N53AA/AT)	1	HP 260 G2 DM, HP ProDesk 400 G2 DM, HP ProOne 400 G2 AiO Touch, HP ProOne 400 G2 AiO Non-Touch, HP ProDesk 600 G2 DM, HP ProOne 600 G2 AiO 21.5-inch Touch, HP ProOne 600 G2 AiO 21.5-inch Non-Touch, HP EliteDesk 800 G2 35W DM, HP EliteDesk 800 G2 65W DM, HP Collaboration PC G2, HP EliteOne 800 G2 AiO 23" Touch, HP EliteOne 800 G2 AiO 23" Non-Touch NOTE: Please check this product's web page on HP.com for current compatibility information.	Transfer rates up to 2133 MT/s	260	Single
HP 8GB SoDIMM (P1N54AA/AT)	1	HP 260 G2 DM, HP ProDesk 400 G2 DM, HP ProOne 400 G2 AiO Touch, HP ProOne 400 G2 AiO Non-Touch, HP ProDesk 600 G2 DM, HP ProOne 600 G2 AiO 21.5-inch Touch, HP ProOne 600 G2 AiO 21.5-inch Non-Touch, HP EliteDesk 800 G2 35W	Transfer rates up to 2133 MT/s	260	Single

Summary of changes

		DM, HP EliteDesk 800 G2 65W DM, HP Collaboration PC G2, HP EliteOne 800 G2 AIO 23" Touch, HP EliteOne 800 G2 AIO 23" Non-Touch NOTE: Please check this product's web page on HP.com for current compatibility information.			
HP 16GB SoDIMM (P1N55AA/ P1N55AT)	1	HP 260 G2 DM, HP ProDesk 400 G2 DM, HP ProOne 400 G2 AiO Touch, HP ProOne 400 G2 AiO Non-Touch, HP ProDesk 600 G2 DM, HP ProOne 600 G2 AiO 21.5-inch Touch, HP ProOne 600 G2 AiO 21.5-inch Non-Touch, HP EliteDesk 800 G2 35W DM, HP EliteDesk 800 G2 65W DM, HP Collaboration PC G2, HP EliteOne 800 G2 AIO 23" Touch, HP EliteOne 800 G2 AIO 23" Non-Touch NOTE: Please check this product's web page on HP.com for current compatibility information.	Transfer rates up to 2133 MT/s	260	Single

DDR4-2400 Memory DIMMs

Kit Size	# of SoDIMMs	Compatibility*	Data Rate***	# of Pins	Motherboard Keynotch
HP 4GB DDR4-2400 DIMM (Z9H59AA/ Z9H59AT)	1	HP ProDesk 400 G4 SFF, HP ProDesk 400 G4 MT, HP ProDesk 600 G3 MT, HP ProDesk 600 G3 SFF, HP EliteDesk 800 G3 TWR, HP EliteDesk 800 G3 SFF NOTE: Please check this product's web page on HP.com for current compatibility information.	Transfer rates up to 2400 MT/s	288	Single
HP 8GB DDR4-2400 DIMM (Z9H60AA/ Z9H60AT)	1	HP ProDesk 400 G4 SFF, HP ProDesk 400 G4 MT, HP ProDesk 600 G3 MT, HP ProDesk 600 G3 SFF, HP EliteDesk 800 G3 TWR, HP EliteDesk 800 G3 SFF NOTE: Please check this product's web page on HP.com for current compatibility information.	Transfer rates up to 2400 MT/s	288	Single
HP 16GB DDR4-2400 DIMM (Z9H57AA/ Z9H57AT)	1	HP ProDesk 400 G4 SFF, HP ProDesk 400 G4 MT, HP ProDesk 600 G3 MT, HP ProDesk 600 G3 SFF, HP EliteDesk 800 G3 TWR, HP EliteDesk 800 G3 SFF NOTE: Please check this product's web page on HP.com for current compatibility information.	Transfer rates up to 2400 MT/s	288	Single

DDR4-2400 Memory SoDIMMs

Kit Size	# of SoDIMMs	Compatibility*	Data Rate***	# of Pins	Motherboard Keynotch
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Summary of changes

HP 4GB DDR4-2400 SoDIMM (Z9H55AA/ Z9H55AA)	1	HP EliteDesk 800 G3 35W Desktop Mini, HP EliteDesk 800 G3 65W Desktop Mini, HP ProDesk 600 G3 Desktop Mini, HP ProDesk 400 G3 DM (Mini)	Transfer rates up to 2400 MT/s	260	Single
HP 8GB DDR4-2400 SoDIMM (Z9H56AA/ Z9H56AA)	1	HP EliteDesk 800 G3 35W Desktop Mini, HP EliteDesk 800 G3 65W Desktop Mini, HP ProDesk 600 G3 Desktop Mini, HP ProDesk 400 G3 DM (Mini)	Transfer rates up to 2400 MT/s	260	Single
HP 16GB DDR4-2400 SoDIMM (Z9H53AA/ Z9H53AA)	1	HP EliteDesk 800 G3 35W Desktop Mini, HP EliteDesk 800 G3 65W Desktop Mini, HP ProDesk 600 G3 Desktop Mini, HP ProDesk 400 G3 DM (Mini)	Transfer rates up to 2400 MT/s	260	Single

NOTE: Please check this product's web page on HP.com for current compatibility information.

NOTE: Full availability of 4 GB or more of memory requires a 64-bit operating system. With Windows 32-bit operating systems, the amount of usable memory is dependent upon your configuration, so that above 3 GB all memory may not be available due to system resource requirements.

***NOTE:** All models may not be available in all regions.

****NOTE:** Memory modules support data transfer rates up to 2133 MT/s; actual data rate is determined by the system's configured processor. See processor specifications for supported memory data rate.

*****NOTE:** Memory modules support data transfer rates up to 2400 MT/s; actual data rate is determined by the system's configured processor. See processor specifications for supported memory data rate.

DDR4 Memory DIMMs	Dimensions (H x W x D)	30.75 x 133.35 x 3.98 mm (1.2 x 5.25 x .15 in)
DDR4 Memory SoDIMMs	Dimensions (H x W x D)	30 x 69.6 x 3.98 mm (1.18 x 2.74 x .15 in)

Operating Systems supported: Windows 10, Windows 8.1 Pro*, Windows 8.1*, Windows 8*, Windows 7 Professional Edition 32*, Windows 7 Professional Edition 64*, Windows 7 Ultimate Edition 32*, Windows 7 Ultimate Edition 64*, No driver is required for this device. Native support is provided by the operating system.

*Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. See <http://www.microsoft.com>

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Summary of changes

Change Log

February 05 2016 / From v2 to v3

Changed 4GB SoDIMM P1N52AA to P1N53AA/AT

Changed 8GB SoDIMM P1N52AT to P1N54AA/AT

February 05 2016 / From v3 to v4

Added DDR4-2400 SoDIMMs and DDR4-2400 SoDIMMs