

### Overview

### DDR4 Memory for HP Business Desktop PCs

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#### 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

##### DDR4-2666 Memory DIMMs

HP 4GB DDR4-2666 DIMM	3TK85AA/3TK85TA
HP 8GB DDR4-2666 DIMM	3TK87AA/3TK87TA
HP 16GB DDR4-2666 DIMM	3TK83AA/3TK83TA

##### DDR4-2666 Memory SoDIMMs

HP 4GB DDR4-2666 SoDIMM	3TK86AA/3TK86TA
HP 8GB DDR4-2666 SoDIMM	3TK88AA/3TK88TA
HP 16GB DDR4-2666 SoDIMM	3TK84AA/3TK84TA

##### DDR4-2666MHz Memory Cards

HP 4GB 2666MHz DDR4 Memory	4VN05AA
HP 8GB 2666MHz DDR4 Memory	4VN06AA
HP 16GB 2666MHz DDR4 Memory	4VN07AA
HP 8GB 2666MHz DDR4 ECC	4UY11AA
HP 16GB 2666 MHz DDR4 ECC	4UY12AA

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### Overview

#### 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.

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#### 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.

### Technical Specifications

<b>DDR4-2133 Memory DIMMs</b>					
<b>Kit Size</b>	<b># of DIMMs</b>	<b>Compatibility*</b>	<b>Data Rate**</b>	<b># of Pins</b>	<b>Motherboard Keynotch</b>
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  <b>NOTE:</b> Please check this product's web page on <a href="http://HP.com">HP.com</a> 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  <b>NOTE:</b> Please check this product's web page on <a href="http://HP.com">HP.com</a> 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

### Technical Specifications

<b>DDR4-2133 Memory SoDIMMs</b>					
<b>Kit Size</b>	<b># of SoDIMMs</b>	<b>Compatibility*</b>	<b>Data Rate**</b>	<b># of Pins</b>	<b>Motherboard Keynotch</b>
HP 4GB SoDIMM (P1N53AA/AT)	1	<p>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</p> <p><b>NOTE:</b> Please check this product's web page on <a href="http://HP.com">HP.com</a> for current compatibility information.</p>	Transfer rates up to 2133 MT/s	260	Single
HP 8GB SoDIMM (P1N54AA/AT)	1	<p>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</p> <p><b>NOTE:</b> Please check this product's web page on <a href="http://HP.com">HP.com</a> for current compatibility information.</p>	Transfer rates up to 2133 MT/s	260	Single
HP 16GB SoDIMM (P1N55AA/ P1N55AT)	1	<p>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</p> <p><b>NOTE:</b> Please check this product's web page on <a href="http://HP.com">HP.com</a> for current compatibility information.</p>	Transfer rates up to 2133 MT/s	260	Single

### Technical Specifications

<b>DDR4-2400 Memory DIMMs</b>					
<b>Kit Size</b>	<b># of DIMMs</b>	<b>Compatibility*</b>	<b>Data Rate***</b>	<b># of Pins</b>	<b>Motherboard Keynotch</b>
HP 4GB DDR4-2400 DIMM (3TK85AA)	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  <b>NOTE:</b> Please check this product's web page on <a href="http://HP.com">HP.com</a> 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  <b>NOTE:</b> Please check this product's web page on <a href="http://HP.com">HP.com</a> 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  <b>NOTE:</b> Please check this product's web page on <a href="http://HP.com">HP.com</a> for current compatibility information.	Transfer rates up to 2400 MT/s	288	Single

### Technical Specifications

DDR4-2400 Memory SoDIMMs					
Kit Size	# of SoDIMMs	Compatibility*	Data Rate***	# of Pins	Motherboard Keynotch
HP 4GB DDR4-2400 SoDIMM (Z9H55AA/ Z9H55AA)	1	The HP 4GB DDR4-2400 SoDIMM is compatible with the HP ProDesk 400 G3 DM (Mini); HP ProOne 400 G3 AIO Touch; HP ProOne 400 G3 AIO Non-Touch; HP ProDesk 600 G3 Desktop Mini; HP ProOne 600 G3 AIO 21.5" Non-Touch; HP EliteDesk 800 G3 35W Desktop Mini; HP EliteDesk 800 G3 65W Desktop Mini; HP EliteOne 800 G3 AIO 23.8" NT; HP EliteOne 800 G3 AIO 23.8" Touch; HP EliteOne 1000 G1 AiO; HP Elite Slice; HP Elite Slice for Meeting Rooms.  <b>NOTE:</b> Please check this product's web page on <a href="http://HP.com">HP.com</a> for current compatibility information.	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)  <b>NOTE:</b> Please check this product's web page on <a href="http://HP.com">HP.com</a> for current compatibility information.	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)  <b>NOTE:</b> Please check this product's web page on <a href="http://HP.com">HP.com</a> for current compatibility information.	Transfer rates up to 2400 MT/s	260	Single

DDR4-2666 Memory DIMMs					
Kit Size	# of DIMMs	Compatibility*	Data Rate***	# of Pins	Motherboard Keynotch
HP 4GB DDR4-2666 DIMM (3TK85AA/3TK85TA)	1	HP 280 G3 Small Form Factor, HP 280 G4 MT / 290 G2 Microtower, HP ProDesk 400 G5 Small Form Factor, HP ProDesk 400 G5 Microtower, HP ProDesk 600 G4 Microtower, HP ProDesk 600 G4 Small Form Factor, HP EliteDesk 705 G4 Microtower, HP EliteDesk 705 G4 Small Form Factor, HP EliteDesk 800 G4 Microtower, HP EliteDesk 800 G4 Small Form Factor  <b>NOTE:</b> Please check this product's web page on <a href="http://HP.com">HP.com</a> for current compatibility information.	Transfer rates up to 2666 MT/s	288	Single

### Technical Specifications

<p>HP 8GB DDR4-2666 DIMM (3TK87AA/3TK87TA)</p>	<p>1</p>	<p>HP 280 G3 Small Form Factor, HP 280 G4 MT / 290 G2 Microtower, HP ProDesk 400 G5 Small Form Factor, HP ProDesk 400 G5 Microtower, HP ProDesk 600 G4 Microtower, HP ProDesk 600 G4 Small Form Factor, HP EliteDesk 705 G4 Microtower, HP EliteDesk 705 G4 Small Form Factor, HP EliteDesk 800 G4 Microtower, HP EliteDesk 800 G4 Small Form Factor</p> <p><b>NOTE:</b> Please check this product's web page on HP.com for current compatibility information.</p>	<p>Transfer rates up to 2666 MT/s</p>	<p>288</p>	<p>Single</p>
<p>HP 16GB DDR4-2666 DIMM (3TK83AA/3TK83TA)</p>	<p>1</p>	<p>HP 280 G3 Small Form Factor, HP 280 G4 MT / 290 G2 Microtower, HP ProDesk 400 G5 Small Form Factor, HP ProDesk 400 G5 Microtower, HP ProDesk 600 G4 Microtower, HP ProDesk 600 G4 Small Form Factor, HP EliteDesk 705 G4 Microtower, HP EliteDesk 705 G4 Small Form Factor, HP EliteDesk 800 G4 Microtower, HP EliteDesk 800 G4 Small Form Factor</p> <p><b>NOTE:</b> Please check this product's web page on HP.com for current compatibility information.</p>	<p>Transfer rates up to 2666 MT/s</p>	<p>288</p>	<p>Single</p>

### Technical Specifications

<b>DDR4-2666 Memory SoDIMMs</b>					
<b>Kit Size</b>	<b># of SoDIMMs</b>	<b>Compatibility*</b>	<b>Data Rate***</b>	<b># of Pins</b>	<b>Motherboard Keynotch</b>
HP 4GB DDR4-2666 SoDIMM (3TK86AA/3TK86TA)	1	HP ProDesk 400 G4 Desktop Mini, HP ProDesk 600 G4 Desktop Mini, HP EliteDesk 705 G4 Desktop Mini, HP EliteDesk 800 G4 95W Desktop Mini, HP Collaboration PC G4, HP EliteOne 800 G4 AiO G4 23.8 HC (NT), HP EliteOne 1000 G2 AiO, HP Elite Slice for Meeting Rooms G2  <b>NOTE:</b> Please check this product's web page on HP.com for current compatibility information.	Transfer rates up to 2666 MT/s	260	Single
HP 8GB DDR4-2666 SoDIMM (3TK88AA/3TK88TA)	1	HP ProDesk 400 G4 Desktop Mini, HP ProDesk 600 G4 Desktop Mini, HP EliteDesk 705 G4 Desktop Mini, HP EliteDesk 800 G4 95W Desktop Mini, HP Collaboration PC G4, HP EliteOne 800 G4 AiO G4 23.8 HC (NT), HP EliteOne 1000 G2 AiO, HP Elite Slice for Meeting Rooms G2  <b>NOTE:</b> Please check this product's web page on HP.com for current compatibility information.	Transfer rates up to 2666 MT/s	260	Single
HP 16GB DDR4-2666 SoDIMM (3TK84AA/3TK84TA)	1	HP ProDesk 400 G4 Desktop Mini, HP ProDesk 600 G4 Desktop Mini, HP EliteDesk 705 G4 Desktop Mini, HP EliteDesk 800 G4 95W Desktop Mini, HP Collaboration PC G4, HP EliteOne 800 G4 AiO G4 23.8 HC (NT), HP EliteOne 1000 G2 AiO, HP Elite Slice for Meeting Rooms G2  <b>NOTE:</b> Please check this product's web page on HP.com for current compatibility information.	Transfer rates up to 2666 MT/s	260	Single

<b>DDR4-2666Mhz Memory Cards</b>					
<b>Kit Size</b>	<b>Compatibility*</b>	<b>Transfer Rate**</b>	<b># of Pins</b>	<b>Motherboard Keynotch</b>	
HP 4GB 2666Mhz DDR4 Memory (4VN05AA)	HP ZBook 15v G5 Mobile Workstation, HP ZBook 17 G5 Mobile Workstation, HP Elitebook 840 G5 Notebook PC, HP Elitebook 850 G5 Notebook PC, HP Elitebook 840r G4 Notebook PC, HP Elitebook 840 G4 Notebook PC, HP Elitebook 850 G4 Notebook PC, HP Elitebook 745 G5 Notebook PC, HP Elitebook 755 G5 Notebook PC, HP Elitebook 745 G4 Notebook PC, HP Elitebook 755 G4 Notebook PC, HP Elitebook 735 G5 Notebook PC, HP Elitebook	2666 MT/s	260	Single	



### Technical Specifications

	<p>725 G4 Notebook PC, HP Elitebook 820 G3 Notebook PC, HP Elitebook 840 G3 Notebook PC, HP Elitebook 850 G3 Notebook PC, HP Zbook 15u G3, HP Zbook 14u G5 Mobile Workstation, HP Zbook 15u G5 Mobile Workstation, HP ZBook 14u G4 Mobile Workstation, HP ZBook 15u G4 Mobile Workstation</p> <p><b>NOTE:</b> Please check this product's web page on HP.com for current compatibility information.</p>			
<p>HP 8GB 2666MHz DDR4 Memory (4VN06AA)</p>	<p>HP ZBook 15v G5 Mobile workstation, HP ZBook 15 G5 Mobile Workstation, HP ZBook 17 G5 Mobile Workstation, HP Elitebook 820 G4 Notebook PC, HP Elitebook 840 G5 Notebook PC, HP Elitebook 850 G5 Notebook PC, HP Elitebook 840r G4 Notebook PC, HP Elitebook 840 G4 Notebook PC, HP Elitebook 850 G4 Notebook PC, HP Elitebook 745 G5 Notebook PC, HP Elitebook 755 G5 Notebook PC, HP Elitebook 745 G4 Notebook PC, HP Elitebook 755 G4 Notebook PC, HP Elitebook 735 G5 Notebook PC, HP Elitebook 725 G4 Notebook PC, HP Elitebook 820 G3 Notebook PC, HP Elitebook 840 G3 Notebook PC, HP Elitebook 850 G3 Notebook PC, HP Zbook 15u G3, HP ZBook Studio G3 Mobile Workstation, HP ZBook 15 G4 Mobile Workstation, HP ZBook 17 G4 Mobile Workstation, HP ZBook 15 G3 Mobile Workstation, HP ZBook 17 G3 Mobile Workstation, HP Zbook 14u G5 Mobile Workstation, HP Zbook 15u G5 Mobile Workstation, HP ZBook 14u G4 Mobile Workstation, HP ZBook 15u G4 Mobile Workstation</p> <p><b>NOTE:</b> Please check this product's web page on HP.com for current compatibility information.</p>	2666 MT/s	260	Single
<p>HP 16GB 2666Mhz DDR4 Memory (4VN07AA)</p>	<p>HP ZBook 15v G5 Mobile workstation, HP ZBook 15 G5 Mobile Workstation, HP ZBook 17 G5 Mobile Workstation, HP Elitebook 820 G4 Notebook PC, HP Elitebook 840 G5 Notebook PC, HP Elitebook 850 G5 Notebook PC, HP Elitebook 840r G4 Notebook PC, HP Elitebook 840 G4 Notebook PC, HP Elitebook</p>	2666 MT/s	260	Single

### Technical Specifications

	<p>840 G3 Notebook PC, HP Elitebook 850 G3 Notebook PC, HP Zbook 15u G3, HP ZBook Studio G3 Mobile Workstation, HP ZBook 15 G4 Mobile Workstation, HP ZBook 17 G4 Mobile Workstation, HP ZBook 15 G3 Mobile Workstation, HP ZBook 17 G3 Mobile Workstation, HP Zbook 14u G5 Mobile workstation, HP Zbook 15u G5 Mobile Workstation, HP ZBook 14u G4 Mobile Workstation, HP ZBook 15u G4 Mobile Workstation</p> <p><b>NOTE:</b> Please check this product's web page on HP.com for current compatibility information.</p>			
<p>HP 8GB 2666MHz DDR4 ECC Memory (4UY11AA)</p>	<p>HP ZBook Studio x360 G5 Convertible Workstation, HP ZBook 15v G5 Mobile Workstation, HP ZBook 15 G5 Mobile Workstation, HP ZBook 17 G5 Mobile Workstation, HP ZBook Create x2 G4, HP EliteBook 1050 G1, HP ZBook Studio G5 Mobile Workstation, HP ZBook Studio G4 Mobile Workstation, HP ZBook Studio G3 Mobile Workstation, HP ZBook 15 G4 Mobile Workstation, HP ZBook 17 G4 Mobile Workstation, HP ZBook 15 G3 Mobile Workstation, HP ZBook 17 G3 Mobile Workstation, HP Zbook x2 G4, HP Zbook 14u G5 Mobile Workstation, HP Zbook 15u G5 Mobile Workstation</p> <p><b>NOTE:</b> Please check this product's web page on HP.com for current compatibility information.</p>	2666 MT/s	260	Single
<p>HP 16GB 2666MHz DDR4 ECC Memory (4UY12AA)</p>	<p>HP ZBook Studio x360 G5 Convertible Workstation, HP ZBook 15v G5 Mobile Workstation, HP ZBook 15 G5 Mobile Workstation, HP ZBook 17 G5 Mobile Workstation, HP ZBook Create x2 G4, HP EliteBook 1050 G1, HP ZBook Studio G5 Mobile Workstation, HP ZBook Studio G4 Mobile Workstation, HP ZBook Studio G3 Mobile Workstation, HP ZBook 15 G4 Mobile Workstation, HP ZBook 17 G4 Mobile Workstation, HP ZBook 15 G3 Mobile Workstation, HP ZBook 17 G3 Mobile Workstation</p>	2666 MT/s	260	Single

### Technical Specifications

	<p>HP Zbook x2 G4, HP Zbook 14u G5 Mobile Workstation, HP Zbook 15u G5 Mobile Workstation</p> <p><b>NOTE:</b> Please check this product's web page on HP.com for current compatibility information.</p>			
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**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.

### Dimensions

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

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### 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

November 13, 2017/ From v4 to v5

Changed DDR4-2400 SoDIMMs Compatibility updated

June 6, 2018/ From v5 to V6

Added 2666 Memory DIMM and SoDIMM Cards

August 1, 2018/ From v6 to V7

Added DDR4-2666Mhz Memory Cards added