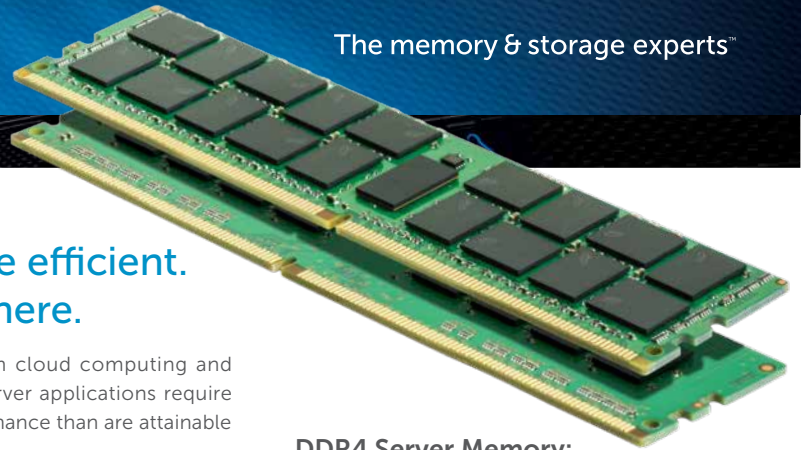


# NOW SAMPLING: Crucial® DDR4 Server Memory



The memory & storage experts™



More speed. More bandwidth. More efficient.  
Next generation DDR4 memory is here.

Overcome one of the greatest server limitations: memory. From cloud computing and virtualization to HPC, Big Data and more, memory-dependent server applications require increasingly higher densities of memory and higher levels of performance than are attainable on current DDR3 technology. Enter Crucial DDR4 server memory.

Get early access to Crucial DDR4 modules!

## Introducing the Crucial DDR4 Technology Enablement Program (TEP)

### HOW IT WORKS

Enroll in the Crucial DDR4 TEP program and get early access to DDR4 modules and information. Start the enrollment process today by visiting [www.crucial.com/usa/en/memory-ddr4-info](http://www.crucial.com/usa/en/memory-ddr4-info).

### ELIGIBILITY

Channel partners who are currently developing or evaluating DDR4-capable platforms

### BENEFITS<sup>3</sup>

- Early access to select Crucial DDR4 modules
- Notification of new DDR4 modules as they become available
- Access to technical resources to aid in product development and evaluation

## DDR4 Server Memory: Product Highlights<sup>1</sup>

- Increase data throughput – up to 50% more memory bandwidth
- Enable up to twice the installed server memory capacity
- Reduce power consumption – up to 40% more energy efficient
- Easier system cooling – less heat generated per module
- Optimized for future Intel® Xeon® processor E5-2600 v3 product family
- Compatible with OEM servers and warranties
- Backed by the Reliance Program
- Limited lifetime warranty<sup>2</sup>

## Now Sampling

The following modules are now included as part of the Crucial DDR4 TEP program. Qualified participants are encouraged to inquire about pricing and availability. Additional module types, densities, and speeds will be available later this year. Stay tuned!

CRUCIAL PART NUMBER	MODULE TYPE	DENSITY	SPEED	RANK	VOLTAGE	COMP CONFIG	CAS LATENCY	MICRON PART NUMBER
CT4G4RFS8213	RDIMM 288-pin	4GB	2133MT/s	Single	1.2V	512M x 8	CL15	MTA9ASF51272PZ-2G1A2
CT8G4RFS4213	RDIMM 288-pin	8GB	2133MT/s	Single	1.2V	1024M x 4	CL15	MTA18ASF1G72PZ-2G1A2
CT16G4RFD4213	RDIMM 288-pin	16GB	2133MT/s	Dual	1.2V	1024M x 4	CL15	MTA36ASF2G72PZ-2G1A2
CT4G4DFS8213	UDIMM 288-pin	4GB	2133MT/s	Single	1.2V	512M x 8	CL15	MTA8ATF51264AZ-2G1A1
CT8G4DFD8213	UDIMM 288-pin	8GB	2133MT/s	Dual	1.2V	512M x 8	CL15	MTA16ATF1G64AZ-2G1A1

<sup>1</sup>Product performance and efficiency improvements are noted as comparisons between DDR3 and DDR4 memory technologies at their introduction. When it was introduced, DDR3-1066 operated at 1.5V and had an estimated component density of 8Gb, compared to DDR4-2133, which will operate at 1.2V and have an estimated component density of 16Gb. When voltage reductions and all other energy-saving DDR4 features are factored in, DDR4 modules are projected to consume up to 40% less power.

<sup>2</sup>Limited lifetime warranty valid everywhere except Germany and France, where warranty is valid for ten years from date of purchase.

<sup>3</sup>Program benefits may vary and are subject to change without notice. Customer admittance and continued inclusion to the program is up to the sole discretion of Micron Technology, Inc.

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