

## **AM2933D4DR4RN/32G**

32GB DDR4-2933MHz Registered ECC Dual Rank x4 1.2V 288-pin CL21 RDIMM JEDEC Standard Factory Original

### **Features**

- JEDEC standard Power Supply VDD = 1.2V Typical
- VDDQ = 1.2V Typical
- VPP = 2.5V Typical
- VDDSPD = 2.2V to 3.6V
- Nominal and dynamic on-die termination (ODT) for data, strobe and mask signals
- Low-power auto self-refresh (LPASR)
- Data bus inversion (DBI) for data bus
- On-die VREFDQ generation and calibration
- Dual rank
- On-board I2 serial presence-detect (SPD) EEPROM
- 16 internal banks; 4 groups of 4 banks each
- Fixed burst chop (BC) of 4 and burst length (BL) of 8 via the mode register set (MRS)
- Selectable BC4 or BL8 on-the-fly (OTF)
- Fly-by topology
- Terminated control command and address bus
- PCB: Height 1.23" (31.25mm)
- RoHS Compliant and Halogen-Free
- Application: Server

### **Product Description**

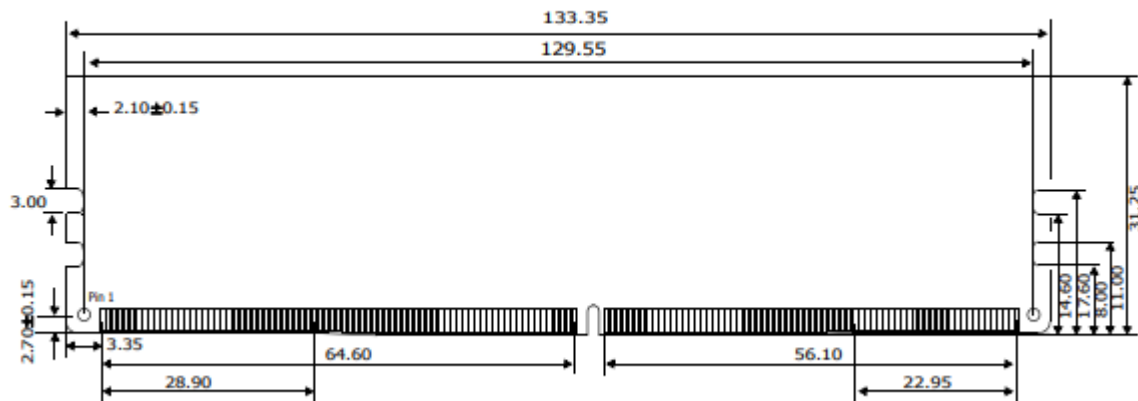
This industry standard 32GB DDR4-2933MHz Registered ECC Dual Rank x4 1.2V 288-pin CL21 RDIMM is 100% guaranteed to be compatible with your system and to work right the first time. All of our server memory is built to strict JEDEC standards at one of the tier 1 facilities. Our products are also guaranteed by federal law to not affect or void OEM warranties.

## Specifications

Parameter	
Form Factor	RDIMM
Speed	DDR4
Memory Size	32GB
Speed	2933 MHz
No. of Pin	288
Voltage	1.2V
Chip by Value	X4
Cas Latency	CL21
DIMM Type	Registered
Rank	Dual
Error Correction Code	ECC
Row Cycle Time (tRCmin)	45.75ns (min.)
Refresh to Active/Refresh Command Time (tRFCmin)	350ns (min.)
CL (IDD)	21 cycles
Row Active Time (tRASmin)	32ns(min.)
UL Rating	94 V - 0
Operating Temperature	0° C to +85° C
Storage Temperature	-55° C to +100° C
Warranty	Lifetime

## Mechanical Description

All measurements are in millimeters.  
(Tolerances on all dimensions are  $\pm 0.12$  unless otherwise specified)



The product images shown are for illustration purposes only and may not be an exact representation of the product.

## Contact Information

Founded in 1999, AddOn Networks is North America's leading provider of transceivers and high-speed cabling. With a reputation for high quality products as well as an extensive custom design portfolio, AddOn has the connectivity solution regardless of the requirement.

At AddOn, 100% of the products we ship every day are tested in the specific application for which they are intended—never batch or spec tested only. We run bandwidth, distance and IOS network tests. We have documented an impressive 0.03% failure rate over the last 10 years. To continue this rate of success we invest millions annually in our own on-site testing lab.

Corporate office:  
AddOn Networks  
15775 Gateway Circle  
Tustin, CA 92780

Tel: 877-292-1701

Fax: 949-266-9273

Email: [sales@addonnetworks.com](mailto:sales@addonnetworks.com)

Email: [support@addonnetworks.com](mailto:support@addonnetworks.com)

Web: <http://www.addonnetworks.com>