



NETLIST DDR4 DIMMs

NETLIST

Product Brief

Overview

Netlist offers a wide lineup of leading-edge commercial and industrial grade DDR4 DIMMs. All memory and storage products are 100% system tested from -40°C to +95°C for Industrial Temp Grade and from 0°C to +85°C for Commercial Temp Grade. Netlist's rigorous testing process is specifically designed to ensure these modules will operate reliably in harsh, long-life computing environments and densely configured computing applications with limited airflow.

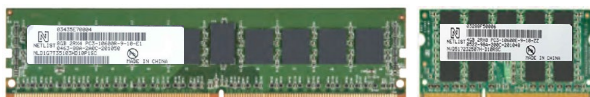
Available in registered and unbuffered with ECC or non-ECC configurations, include standard Low Profile height, Very Low Profile and Mini DIMMs. OEMs can choose Netlist industry-standard and custom modules with confidence knowing Netlist designs, manufactures, and rigorously tests each unit.

Benefits

- Long term supply
- Locked BOM support
- High quality
- 100% system level testing
- Technical support

Applications

- IOT computing / storage servers
- Network servers and equipment
- Industrial systems
- Ruggedized industrial servers
- Medical Equipment
- Embedded systems
- Automotive Applications



Features

- JEDEC Standard 1.2V+/-0.06V Power Supply
- VDDQ = 1.2V+/-0.06V
- VPP = 2.5V (2.375V to 2.75V)
- VDDSPD = 2.5V +/-10%
- Operating Temperature
 - T_{CASE} = -40°C to +95°C for Industrial Grade
 - T_{CASE} = 0°C to +85°C for Commercial Grade
- Various JEDEC Standard Form Factors
 - RDIMM
 - ECC UDIMM
 - Non-ECC UDIMM
 - ECC SODIMM
 - Non-ECC SODIMM
 - SO-RDIMM
 - VLP RDIMM
 - VLP ECC-UDIMM
 - VLP Non-ECC UDIMM
 - VLP SO_RDIMM
 - Mini RDIMM
 - Mini ECC UDIMM
 - Mini Non-ECC UDIMM
 - Mini VLP RDIMM
 - Mini VLP ECC-UDIMM
 - Mini VLP UDIMM
- Data Transfer Rates
 - Up to PC4-3200
- 8-bit pre-fetch
- Bi-Directional Differential Data Strobe
- On Die Termination using ODT pin
- Temperature sensor with integrated SPD
- Burst Length (BL) switch on-the-fly BL8 or BC4 (Burst Chop)
- Temperature sensor with integrated
- RoHS compliant (Lead-free)
- Conformal Coating and BGA underfill are available upon request

Netlist, Inc.

www.netlist.com

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The Memory Storage Company™

Storage at Memory Speeds, Memory at Storage Capacities™

NETLIST DDR4 INDUSTRIAL DIMMs



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Product Brief

Product Line up

*(I) : Industrial Grade

Form Factor	Density	Organization	Max Speed	Part Number
RDIMM	64GB	8Gx72 (2Rank)	3200MT/s	NLX8G7T44G031D32wxyz(I)
	32GB	4Gx72 (2Rank)	3200MT/s	NLX4G7T42G071D32wxyz(I)
	16GB	2Gx72 (2Rank)	3200MT/s	NLX2G7T41G071D32wxyz(I)
	8GB	1Gx72 (1Rank)	3200MT/s	NLX1G7T41G071D32wxyz(I)
	4GB	512Mx72 (1Rank)	3200MT/s	NLX517T451071D32wxyz(I)
ECC UDIMM	32GB	4Gx72 (2Rank)	3200MT/s	NLX4G7242G071D32A0yz(I)
	16GB	2Gx72 (2Rank)	3200MT/s	NLX2G7241G071D32A0yz(I)
	8GB	1Gx72 (1Rank)	3200MT/s	NLX1G7241G071D32A0yz(I)
	4GB	512Mx72 (1Rank)	3200MT/s	NLX5172451071D32A0yz(I)
Non-ECC UDIMM	32GB	4Gx64 (2Rank)	3200MT/s	NLX4G6441G071D32A0yz(I)
	16GB	2Gx64 (2Rank)	3200MT/s	NLX2G6441G071D32A0yz(I)
	8GB	1Gx64 (1Rank)	3200MT/s	NLX1G6441G071D32A0yz(I)
	4GB	512Mx64 (1Rank)	3200MT/s	NLX5164451071D32A0yz(I)
ECC SOUDIMM	32GB	4Gx72 (2Rank)	3200MT/s	NLY4G7244G071D32A0yz(I)
	16GB	2Gx72 (2Rank)	3200MT/s	NLY2G7242G071D32A0yz(I)
	8GB	1Gx72 (1Rank)	3200MT/s	NLY1G7241G071D32A0yz(I)
	4GB	512Mx72 (1Rank)	3200MT/s	NLY5172451071D32A0yz(I)
Non-ECC SOUDIMM	32GB	4Gx64 (2Rank)	3200MT/s	NLY4G6442G071D32A0yz(I)
	16GB	2Gx64 (2Rank)	3200MT/s	NLY2G6441G071D32A0yz(I)
	8GB	1Gx64 (1Rank)	3200MT/s	NLY1G6441G071D32A0yz(I)
	4GB	512Mx64 (1Rank)	3200MT/s	NLY5164451071D32A0yz(I)
SO-RDIMM	32GB	4Gx72 (2Rank)	3200MT/s	NLY4G7T42G071D32wxyz(I)
	16GB	2Gx72 (2Rank)	3200MT/s	NLY2G7T41G071D32wxyz(I)
	8GB	1Gx72 (1Rank)	3200MT/s	NLY1G7T41G071D32wxyz(I)
	4GB	512Mx72 (1Rank)	3200MT/s	NLY517T451071D32wxyz(I)
VLP RDIMM	32GB	4Gx72 (1Rank)	3200MT/s	NVX4G7T44G031D32wxyz(I)
	16GB	2Gx72 (2Rank)	3200MT/s	NVX2G7T41G071D32wxyz(I)
	8GB	1Gx72 (1Rank)	3200MT/s	NVX1G7T41G071D32wxyz(I)
	4GB	512Mx72 (1Rank)	3200MT/s	NVX517T451071D32wxyz(I)

**For sales inquiries, please contact Netlist at memory@netlist.com or visit our website at Netlist.com. For Distribution sales, please visit us at www.digikey.com/en/supplier-centers/netlist-inc.

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VLP ECC UDIMM	32GB	4Gx72 (2Rank)	3200MT/s	NVX4G7242G071D32A0yz(I)
	16GB	2Gx72 (2Rank)	3200MT/s	NVX2G7241G071D32A0yz(I)
	8GB	1Gx72 (1Rank)	3200MT/s	NVX1G7241G071D32A0yz(I)
	4GB	512Mx72 (1Rank)	3200MT/s	NVX5172451071D32A0yz(I)
VLP Non-ECC UDIMM	32GB	4Gx64 (2Rank)	3200MT/s	NVX4G6442G071D32A0yz(I)
	16GB	2Gx64 (2Rank)	3200MT/s	NVX2G6441G071D32A0yz(I)
	8GB	1Gx64 (1Rank)	3200MT/s	NVX1G6441G071D32A0yz(I)
	4GB	512Mx64 (1Rank)	3200MT/s	NVX5164451071D32A0yz(I)
VLP SO-RDIMM	32GB	4Gx72 (2Rank)	3200MT/s	NVY4G7T42G071D32wxyz(I)
	16GB	2Gx72 (2Rank)	3200MT/s	NVY2G7T41G071D32wxyz(I)
	8GB	1Gx72 (1Rank)	3200MT/s	NVY1G7T41G071D32wxyz(I)
	4GB	512Mx72 (1Rank)	3200MT/s	NVY517T451071D32wxyz(I)
Mini RDIMM	16GB	2Gx72 (2Rank)	3200MT/s	NMX2G7T41G071D32wxyz(I)
	8GB	1Gx72 (1Rank)	3200MT/s	NMX1G7T41G071D32wxyz(I)
	4GB	512Mx72 (1Rank)	3200MT/s	NMX517T451071D32wxyz(I)
Mini ECC-UDIMM	16GB	2Gx72 (2Rank)	3200MT/s	NMX2G7241G071D32A0yz(I)
	8GB	1Gx72 (1Rank)	3200MT/s	NMX1G7241G071D32A0yz(I)
	4GB	512Mx72 (1Rank)	3200MT/s	NMX5172451071D32A0yz(I)
Mini Non-ECC UDIMM	16GB	2Gx64 (2Rank)	3200MT/s	NMX2G6441G071D32A0yz(I)
	8GB	1Gx64 (1Rank)	3200MT/s	NMX1G6441G071D32A0yz(I)
	4GB	512Mx64 (1Rank)	3200MT/s	NMX5164451071D32A0yz(I)
Mini VLP RDIMM	16GB	2Gx72 (2Rank)	3200MT/s	NUX2G7T41G071D32wxyz(I)
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	8GB	1Gx72 (1Rank)	3200MT/s	NUX1G7241G071D32A0yz(I)
	4GB	512Mx72 (1Rank)	3200MT/s	NUX5172451071D32A0yz(I)
Mini VLP Non-ECC UDIMM	16GB	2Gx64 (2Rank)	3200MT/s	NUX2G6441G071D32A0yz(I)
	8GB	1Gx64 (1Rank)	3200MT/s	NUX1G6441G071D32A0yz(I)
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Netlist Sales Representatives

Electronic Manufacturers' Agents | www.emasales.com

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Gillaspy Associates | www.gillaspysales.com

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Universal Technology | www.ut.com

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Challenge Sales | www.challengesales.com

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TriStar Group | www.tristargroupinc.com

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Up-market Inc. | www.up-market.ca

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EMY-tech | www.emy-tech.com

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If you do not see your territory covered by a sales representative, simply email us at memory@netlist.com