

DRAM Modules

DDR5

Transcend's industrial DDR5 DRAM modules deliver speeds of up to 7,200 MT/s with energy-efficient 1.1V operation, integrated PMIC, on-die ECC, and advanced signal-integrity technologies. Available in multiple form factors and temperature grades, the lineup supports demanding industrial, embedded, workstation, and server applications. ECC DIMM and Registered DIMM models feature anti-sulfur technology and 30 µ-inch gold fingers for enhanced durability and long-term reliability.

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Features

- High-speed performance up to 7,200 MT/s
- Standard, extended, and wide-temperature options for industrial applications
- JEDEC-compliant 1.1V operation with an integrated Power Management IC (PMIC)
- On-die ECC for enhanced data integrity and system reliability
- ECC DIMM and Registered DIMM options for reliability-critical systems
- Anti-sulfur technology and 30 µ-inch gold fingers on ECC DIMM and Registered DIMM models
- Available in CUDIMM, CSODIMM, Long-DIMM, and SO-DIMM form factors
- 100% tested for stability, compatibility, and performance
- Limited lifetime warranty

Advanced Technologies



Anti-Sulfur Technology



30µ" Gold Finger

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DDR5

Module Type	CUDIMM / CSODIMM / Long-DIMM / SO-DIMM
Speed	7200 / 6400 / 5600 / 4800 MT/s
Voltage	1.1V
PCB Height	Long-DIMM / CUDIMM: 1.23 inches SO-DIMM / CSODIMM: 1.18 inches
Capacity	8GB ~ 64GB
Operating Temperature	Standard Temp.: 0°C ~ 85°C / 0°C ~ 95°C Extended Temp.: -20°C ~ 85°C / -20°C ~ 95°C Wide Temp.: -40°C ~ 95°C

Ordering Information

DDR5-7200 Unbuffered DIMM

Capacity	Component Composition	Rank x Org.	CUDIMM	CSODIMM
Standard Temp. (0°C ~ 85°C)				
8GB	(1Gx16)x4	1Rx16	-	TS1GSA64V2G
Extended Temp. (-20°C ~ 85°C)				
8GB	(1Gx16)x4	1Rx16	TS1GLA64V2G	-
16GB	(2Gx8)x8	1Rx8	TS2GLA64V2E	TS2GSA64V2E

DDR5-7200 ECC DIMM

Capacity	Component Composition	Rank x Org.	CUDIMM	CSODIMM
Extended Temp. (-20°C ~ 85°C)				
16GB	(2Gx8)x10	1Rx8	TS2GLA72V2E	TS2GSA72V2E

DDR5-7200 Registered DIMM

Capacity	Component Composition	Rank x Org.	Long-DIMM
Extended Temp. (-20°C ~ 85°C)			
16GB	(2Gx8)x10	1Rx8	TS2GAR80V2E

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DDR5-6400 Unbuffered DIMM

Capacity	Component Composition	Rank x Org.	CUDIMM	CSODIMM
Standard Temp. (0°C ~ 85°C)				
8GB	(1Gx16)x4	1Rx16	TS1GLA64V4G3	TS1GSA64V4G3 TS1GSA64V4G6
16GB	(2Gx8)x8	1Rx8	TS2GLA64V4E3 TS2GLA64V4E6	TS2GSA64V4E3
32GB	(2Gx8)x16	2Rx8	TS4GLA64V4E3 TS4GLA64V4E6	TS4GSA64V4E3 TS4GSA64V4E6
32GB	(4Gx8)x8	1Rx8	TS4GLA64V4K6	TS4GSA64V4K6
64GB	(4Gx8)x16	2Rx8	TS8GLA64V4K6	TS8GSA64V4K6
Extended Temp. (-20°C ~ 85°C)				
16GB	(2Gx8)x8	1Rx8	-	TS2GSA64V4E6
Wide Temp. (-40°C ~ 95°C)				
16GB	(2Gx8)x8	1Rx8	-	TS2GSA64V4E3-I

DDR5-6400 ECC DIMM

Capacity	Component Composition	Rank x Org.	CUDIMM	CSODIMM
Standard Temp. (0°C ~ 85°C)				
16GB	(2Gx8)x10	1Rx8	TS2GLA72V4E3	TS2GSA72V4E3
32GB	(2Gx8)x20	2Rx8	TS4GLA72V4E3	TS4GSA72V4E3

DDR5-6400 Registered DIMM

Capacity	Component Composition	Rank x Org.	Long-DIMM
Standard Temp. (0°C ~ 85°C)			
32GB	(2Gx8)x20	2Rx8	TS4GAR80V4E3
Extended Temp. (-20°C ~ 95°C)			
16GB	(2Gx8)x10	1Rx8	TS2GAR80V4E3

DDR5-5600 Unbuffered DIMM

Capacity	Component Composition	Rank x Org.	Long-DIMM	SO-DIMM
Standard Temp. (0°C ~ 85°C)				
8GB	(1Gx16)x4	1Rx16	TS1GLA64V6G6	TS1GSA64V6G6
16GB	(2Gx8)x8	1Rx8	TS2GLA64V6E6	TS2GSA64V6E6
32GB	(2Gx8)x16	2Rx8	TS4GLA64V6E6	TS4GSA64V6E6
48GB	(3Gx8)x16	2Rx8	TS6GLA64V6E3	-

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Capacity	Component Composition	Rank x Org.	Long-DIMM	SO-DIMM
Standard Temp. (0°C ~ 95°C)				
16GB	(2Gx8)x8	1Rx8	TS2GLA64V6E8	TS2GSA64V6E1
32GB	(2Gx8)x16	2Rx8	TS4GLA64V6E1 TS4GLA64V6E8	TS4GSA64V6E1 TS4GSA64V6E8
48GB	(3Gx8)x16	2Rx8	TS6GLA64V6E5	TS6GSA64V6E3 TS6GSA64V6E5
Extended Temp. (-20°C ~ 95°C)				
8GB	(1Gx16)x4	1Rx16	TS1GLA64V6G TS1GLA64V6G7	TS1GSA64V6G TS1GSA64V6G7
16GB	(2Gx8)x8	1Rx8	TS2GLA64V6E TS2GLA64V6E1 TS2GLA64V6E2 TS2GLA64V6E7	TS2GSA64V6E TS2GSA64V6E2 TS2GSA64V6E7
32GB	(2Gx8)x16	2Rx8	TS4GLA64V6E TS4GLA64V6E2 TS4GLA64V6E7	TS4GSA64V6E TS4GSA64V6E-I TS4GSA64V6E7
Wide Temp. (-40°C ~ 95°C)				
8GB	(1Gx16)x4	1Rx16	-	TS1GSA64V6G-I TS1GSA64V6G7-I
16GB	(2Gx8)x8	1Rx8	-	TS2GSA64V6E-I TS2GSA64V6E8
48GB	(3Gx8)x16	2Rx8	-	TS6GSA64V6E3-I TS6GSA64V6E5-I

DDR5-5600 ECC DIMM

Capacity	Component Composition	Rank x Org.	Long-DIMM	SO-DIMM
Standard Temp. (0°C ~ 95°C)				
32GB	(2Gx8)x20	2Rx8	-	TS4GSA72V6E
Extended Temp. (-20°C ~ 95°C)				
16GB	(2Gx8)x10	1Rx8	TS2GLA72V6E TS2GLA72V6E7	TS2GSA72V6E TS2GSA72V6E7
32GB	(2Gx8)x20	2Rx8	TS4GLA72V6E TS4GLA72V6E7	TS4GSA72V6E7
Wide Temp. (-40°C ~ 95°C)				
32GB	(2Gx8)x20	2Rx8	-	TS4GSA72V6E-I

DDR5-5600 Registered DIMM

Capacity	Component Composition	Rank x Org.	Long-DIMM
Extended Temp. (-20°C ~ 95°C)			
16GB	(2Gx8)x10	1Rx8	TS2GAR80V6E TS2GAR80V6E7
32GB	(2Gx8)x20	2Rx8	TS4GAR80V6E TS4GAR80V6E7

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Capacity	Component Composition	Rank x Org.	Long-DIMM
Wide Temp. (-40°C ~ 95°C)			
16GB	(2Gx8)x10	1Rx8	TS2GAR80V6E-I
32GB	(2Gx8)x20	2Rx8	TS4GAR80V6E-I

DDR5-4800 Unbuffered DIMM

Capacity	Component Composition	Rank x Org.	Long-DIMM	SO-DIMM
Standard Temp. (0°C ~ 95°C)				
8GB	(1Gx16)x4	1Rx16	TS1GLA64V8G	TS1GSA64V8G
16GB	(2Gx8)x8	1Rx8	TS2GLA64V8E	TS2GSA64V8E
32GB	(2Gx8)x16	2Rx8	TS4GLA64V8E	TS4GSA64V8E
Standard Temp. (0°C ~ 85°C)				
8GB	(1Gx16)x4	1Rx16	TS1GLA64V8G6	TS1GSA64V8G6
16GB	(2Gx8)x8	1Rx8	-	TS2GSA64V8E6
32GB	(2Gx8)x16	2Rx8	-	TS4GSA64V8E6
Wide Temp. (-40°C ~ 95°C)				
8GB	(1Gx16)x4	1Rx16	-	TS1GSA64V8G-I
16GB	(2Gx8)x8	1Rx8	-	TS2GSA64V8E-I
32GB	(2Gx8)x16	2Rx8	TS4GLA64V8E-I	TS4GSA64V8E-I

DDR5-4800 ECC DIMM

Capacity	Component Composition	Rank x Org.	Long-DIMM	SO-DIMM
Standard Temp. (0°C ~ 95°C)				
16GB	(2Gx8)x10	1Rx8	TS2GLA72V8E	TS2GSA72V8E
32GB	(2Gx8)x20	2Rx8	TS4GLA72V8E	TS4GSA72V8E
Wide Temp. (-40°C ~ 95°C)				
16GB	(2Gx8)x10	1Rx8	-	TS2GSA72V8E-I
32GB	(2Gx8)x20	2Rx8	-	TS4GSA72V8E-I

DDR5-4800 Registered DIMM

Capacity	Component Composition	Rank x Org.	Long-DIMM
Standard Temp. (0°C ~ 95°C)			
16GB	(2Gx8)x10	1Rx8	TS2GAR80V8E
32GB	(2Gx8)x20	2Rx8	TS4GAR80V8E
Wide Temp. (-40°C ~ 95°C)			
32GB	(2Gx8)x20	2Rx8	TS4GAR80V8E-I

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Product specifications are subject to change without notice. Pictures shown may differ from actual products. Due to the complexity and variety of industrial applications, Transcend cannot guarantee 100% compatibility with all platforms and under all scenarios. For special applications and environments, it is strongly suggested that you contact Transcend

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beforehand for clarification.

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