Transcend®

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DRAM Modules

DDR5

Transcend's DDR5 DRAM modules operate at a nominal voltage of only 1.1V, offering higher energy efficiency and exceptional clock speeds to cater to the demands of the embedded industry. Power management integrated circuits (PMIC) provides better signal integrity and more stable power. All components are of the highest quality, having been sourced directly from the world's first-tier supplier of DRAM chips and stringently tested for unparalleled compatibility, reliability, and performance.

Features

- 1.1V low power supply
- Power management IC (PMIC), high energy efficiency
- On-die ECC
- Burst Length: 16, 32
- 16 bit pre-fetch
- Multi-Purpose Command (MPC)
- Decision Feedback Equalization (DFE)
- SPD Hub with Thermal Sensor
- 100% tested for stability, compatibility and performance
- Limited Lifetime Warranty

Advanced Technologies

SO_2

Anti-Sulfur Technology

30µ"

30 µ" Gold Finger

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DDR5 DIMMs

Module Type	DDR5 Long-DIMM	DDR5 SO-DIMM
Standard	JEDEC®	
Speed	5600/4800MT/s	
Capacity	8GB~32GB	
Voltage	1.1V	
Pin Count	288 pin	262 pin
PCB Height	1.23 inches	1.18 inches
PCB Gold Finger Thickness	30μ" (ECC & Registered)	
Anti-Sulfuration	Default (ECC & Registered)	
Operating Temperature	Standard Temperature: 0°C ~ 95°C Wide Temperature: -40°C~ 95°C	

Ordering Information

DDR5-5600 Unbuffered DIMM

	Capacity	Component Composition	Rank x Org.	Long-DIMM	SO-DIMM
Standard Temp. (0°C~ 95°C)	8GB	(1Gx16)x4	1Rx16	TS1GLA64V6G	TS1GSA64V6G
	16GB	(2Gx8)x8	1Rx8	TS2GLA64V6E	TS2GSA64V6E
	32GB	(2Gx8)x16	2Rx8	TS4GLA64V6E	TS4GSA64V6E

DDR5-5600 ECC-DIMM

	Capacity	Component Composition	Rank x Org.	Long-DIMM	SO-DIMM
Standard Temp. (0°C~ 95°C)	16GB	(2Gx8)x10	1Rx8	TS2GLA72V6E	TS2GSA72V6E
	32GB	(2Gx8)x20	2Rx8	TS4GLA72V6E	TS4GSA72V6E

DDR5-5600 Registered DIMM

	Capacity	Component Composition	Rank x Org.	Long-DIMM
Standard Temp. (0°C~ 95°C)	16GB	(2Gx8)x10	1Rx8	TS2GAR80V6E
	32GB	(2Gx8)x20	2Rx8	TS4GAR80V6E

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 beforehand for clarification.

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Ordering Information

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
Wide Temp. (-40°C~ 95°C)	8GB	(1Gx16)x4	1Rx16	-	TS1GSA64V8G-I
	16GB	(2Gx8)x8	1Rx8		TS2GSA64V8E-I
	32GB	(2Gx8)x16	2Rx8		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

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

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 beforehand for clarification.

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Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660