

Embedded Solutions

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



Anti-Sulfur
Technology



30 µm
Gold Finger

DDR5



Module Type	CUDIMM	CSODIMM	Long-DIMM	SO-DIMM
Speed	6400 MT/s		5600 MT/s	
Capacity	8GB~32GB		8GB~48GB	
Voltage	1.1V			
PCB Height	1.23 inches	1.18 inches	1.23 inches	1.18 inches
30μ" PCB Gold Finger	ECC / Registered		Wide Temp. / ECC / Registered	
Anti-Sulfuration	ECC / Registered		Wide Temp. / ECC / Registered	
Operating Temperature	Standard Temperature: 0°C ~ 85°C / 0°C ~ 95°C Extended Temperature: -20°C ~ 95°C Wide Temperature: -40°C ~ 95°C			

Ordering Information

DDR5-6400 Unbuffered DIMM

	Capacity	Component Composition	Rank x Org.	CUDIMM	CSODIMM
Standard Temp. (0°C~85°C)	8GB	(1Gx16)x4	1Rx16	-	TS1GSA64V4G6
	16GB	(2Gx8)x8		TS2GLA64V4E6	TS2GSA64V4E6
	32GB	(2Gx8)x16	2Rx8	TS4GLA64V4E6	TS4GSA64V4E6

DDR5-5600 Unbuffered DIMM

	Capacity	Component Composition	Rank x Org.	Long-DIMM	SO-DIMM
Extended Temp. (-20°C~95°C)	8GB	(1Gx16)x4	1Rx16	TS1GLA64V6G	TS1GSA64V6G
				TS1GLA64V6G7	TS1GSA64V6G7
	16GB	(2Gx8)x8	1Rx8	TS2GLA64V6E	TS2GSA64V6E
				TS2GLA64V6E2	TS2GSA64V6E2
				TS2GLA64V6E7	TS2GSA64V6E7
				TS4GLA64V6E	TS4GSA64V6E
32GB	(2Gx8)x16	2Rx8	TS4GLA64V6E2	-	
			TS4GLA64V6E7	TS4GSA64V6E7	
Standard Temp. (0°C~95°C)	16GB	(2Gx8)x8	1Rx8	TS2GLA64V6E1	TS2GSA64V6E1
	32GB	(2Gx8)x16	2Rx8	TS4GLA64V6E1	TS4GSA64V6E1
	48GB	(3Gx8)x16	2Rx8	TS6GLA64V6E3	TS6GSA64V6E3
Standard Temp. (0°C ~ 85°C)	8GB	(1Gx16)x4	1Rx16	TS1GLA64V6G6	TS1GSA64V6G6
	16GB	(2Gx8)x8	1Rx8	TS2GLA64V6E6	TS2GSA64V6E6
	32GB	(2Gx8)x16	2Rx8	TS4GLA64V6E6	TS4GSA64V6E6
Wide Temp. (-40°C~95°C)	8GB	(1Gx16)x4	1Rx16	-	TS1GSA64V6G-I
				-	TS1GSA64V6G7-I
	16GB	(2Gx8)x8	1Rx8	TS2GLA64V6E-I	TS2GSA64V6E-I
				TS2GLA64V6E2-I	TS2GSA64V6E2-I
32GB	(2Gx8)x16	2Rx8	TS4GLA64V6E-I	TS4GSA64V6E-I	
			TS6GLA64V6E3-I	TS6GSA64V6E3-I	

DDR5-6400 ECC DIMM

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

DDR5-5600 ECC DIMM

	Capacity	Component Composition	Rank x Org.	Long-DIMM	SO-DIMM
Extended Temp. (-20°C~95°C)	16GB	(2Gx8)x10	1Rx8	TS2GLA72V6E	TS2GSA72V6E
				TS2GLA72V6E2	-
				TS2GLA72V6E7	TS2GSA72V6E7
	32GB	(2Gx8)x20	2Rx8	TS4GLA72V6E	TS4GSA72V6E
				TS4GLA72V6E2	-
				TS4GLA72V6E7	TS4GSA72V6E7
Wide Temp. (-40°C~95°C)	16GB	(2Gx8)x10	1Rx8	TS2GLA72V6E-I	TS2GSA72V6E-I
	32GB	(2Gx8)x20	2Rx8	TS4GLA72V6E-I	TS4GSA72V6E-I

DDR5-6400 Registered DIMM

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

DDR5-5600 Registered DIMM

	Capacity	Component Composition	Rank x Org.	Long-DIMM
Extended Temp. (-20°C~95°C)	16GB	(2Gx8)x10	1Rx8	TS2GAR80V6E
				TS2GAR80V6E2
				TS2GAR80V6E7
	32GB	(2Gx8)x20	2Rx8	TS4GAR80V6E
				TS4GAR80V6E7
Wide Temp. (-40°C~95°C)	16GB	(2Gx8)x10	1Rx8	TS2GAR80V6E-I
	32GB	(2Gx8)x20	2Rx8	TS4GAR80V6E-I