



Embedded Solutions

DRAM Modules DDR2/DDR/SDRAM

Transcend's DDR2/DDR/SDRAM DRAM modules are ideal solutions for upgrading memory for servers, workstations, factory automation computers, and other embedded systems. 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

- JEDEC standard design
- Excellent compatibility
- Durable construction
- Auto Refresh and Self Refresh
- Serial presence detect with EEPROM
- 100% tested for stability, compatibility and performance
- Limited Lifetime Warranty

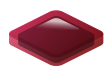
Advanced Technologies



Anti-Sulfur
Technology



Corner Bond &
Underfill



Conformal
Coating





Wide
Temperature



30µm
Gold Finger

DDR2 Unbuffered DIMMs

Module Type	DDR2	
	Long-DIMM	SO-DIMM
Product Image		
Standard	JEDEC	
Speed	800/667/533 Mbps	
Capacity	256MB~2GB	
Voltage	1.8V	
Pin Count	Long-DIMM: 240 pin	SO-DIMM: 200 pin
PCB Height	1.18/0.72 inches	1.18 inches
Operating Temperature	Standard Temperature: 0°C~ 85°C Wide Temperature: -40°C~ 85°C	

Ordering Information

DDR2-800 Long-DIMM

Capacity	Component Composition	Rank x Org.	Standard (1.8V)
1GB	(128Mx8)x8	1Rx8	TS128MLQ64V8U
2GB	(128Mx8)x16	2Rx8	TS256MLQ64V8U

DDR2-800 SO-DIMM

Capacity	Component Composition	Rank x Org.	Standard (1.8V)
1GB	(128Mx8)x8	1Rx8	TS128MSQ64V8U
2GB	(128Mx8)x16	2Rx8	TS256MSQ64V8U

DDR2-667 Long-DIMM

Capacity	Component Composition	Rank x Org.	Standard (1.8V)
512MB	(64Mx8)x8	1Rx8	TS64MLQ64V6J
1GB	(64Mx8)x16	2Rx8	TS128MLQ64V6J
1GB	(128Mx8)x8	1Rx8	TS128MLQ64V6U
2GB	(128Mx8)x16	2Rx8	TS256MLQ64V6U

DDR2-667 SO-DIMM

Capacity	Component Composition	Rank x Org.	Standard (1.8V)	Wide Temp. (-40°C ~ 85°C)
256MB	(32Mx16)x4	1Rx16	TS32MSQ64V6M	-
512MB	(32Mx16)x8	2Rx16	TS64MSQ64V6M	-
512MB	(64Mx16)x4	1Rx16	TS64MSQ64V6Q	-
512MB	(64Mx8)x8	1Rx8	TS64MSQ64V6J	-
1GB	(64Mx8)x16	2Rx8	TS128MSQ64V6J	-
1GB	(128Mx8)x8	1Rx8	TS128MSQ64V6U	TS128MSQ64V6U-I
2GB	(128Mx8)x16	2Rx8	TS256MSQ64V6U	TS256MSQ64V6U-I

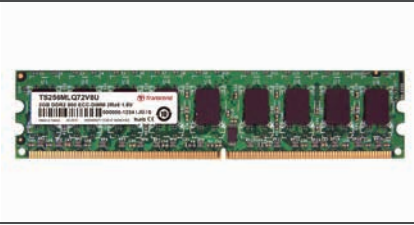
DDR2-533 Long-DIMM

Capacity	Component Composition	Rank x Org.	Standard (1.8V)
256MB	(32Mx16)x4	1Rx16	TS32MLQ64V5M

DDR2-533 SO-DIMM

Capacity	Component Composition	Rank x Org.	Standard (1.8V)
512MB	(64Mx8)x8	1Rx8	TS64MSQ64V5J
1GB	(64Mx8)x16	2Rx8	TS128MSQ64V5J

DDR2 ECC DIMMs


Module Type	DDR2 ECC Long-DIMM
Product Image	
Standard	JEDEC
Speed	800 Mbps
Capacity	1GB~2GB
Voltage	1.8V
Pin Count	240 pin
PCB Height	1.18 inches
Operating Temperature	Standard Temperature: 0°C~ 85°C Wide Temperature: -40°C~ 85°C

Ordering Information

DDR2-800 ECC Long-DIMM

Capacity	Component Composition	Rank x Org.	Standard (1.8V)	Wide Temp. (-40°C ~ 85°C)
1GB	(128Mx8)x9	1Rx8	TS128MLQ72V8U	-
2GB	(128Mx8)x18	2Rx8	TS256MLQ72V8U	TS256MLQ72V8U-I

DDR2 Registered DIMMs

Module Type	DDR2 Registered DIMM
Product Image	
Standard	JEDEC
Speed	667/400 Mbps
Capacity	512MB~4GB
Voltage	1.8V
Pin Count	240 pin
PCB Height	1.18 inches
Operating Temperature	Standard Temperature: 0°C~ 85°C

Ordering Information


DDR2-677 Registered DIMM

Capacity	Component Composition	Rank x Org.	Standard (1.8V)
4GB	(256Mx4)x36	2Rx4	TS512MQR72V6T

DDR2-400 Registered DIMM

Capacity	Component Composition	Rank x Org.	Standard (1.8V)
512MB	(64Mx4)x18	1Rx4	TS64MQR72V4E
2GB	(256Mx4)x18	1Rx4	TS256MQR72V4T

DDR2 Fully Buffered DIMMs



Module Type	DDR2 FB-DIMM
Product Image	
Standard	JEDEC
Speed	667 Mbps
Capacity	1GB~4GB
Voltage	1.8V
Pin Count	240 pin
PCB Height	1.2 inches
Operating Temperature	Standard Temperature: 0°C~85°C

Ordering Information

DDR2-677 Fully Buffered DIMM

Capacity	Component Composition	Rank x Org.	Standard (1.8V)
1GB	(128Mx8)x9	1Rx8	TS128MFB72V6U-T
2GB	(128Mx8)x18	2Rx8	TS256MFB72V6U-T
2GB	(256Mx4)x18	1Rx4	TS256MFB72V6T-T
4GB	(128Mx8)x36	4Rx8	TS512MFB72V6U-T

DDR Unbuffered DIMMs

Module Type	DDR	
	Long-DIMM	SO-DIMM
Product Image		
Standard	JEDEC	
Speed	400/333 Mbps	
Capacity	256MB~1GB	
Voltage	2.5V	
Pin Count	Long-DIMM: 184 pin	SO-DIMM: 200 pin
PCB Height	Standard: 1.25/1.16 inches Very Low Profile: 0.72 inches	1.25 inches
Operating Temperature	Standard Temperature: 0°C ~ 85°C	

Ordering Information

DDR-400 Long-DIMM

Capacity	Component Composition	Rank x Org.	Standard (2.5V)	Very Low Profile (VLP)
512MB	(64Mx8)x8	1Rx8	TS64MLD64V4J	-
1GB	(64Mx8)x16	2Rx8	TS128MLD64V4J	TS128MLD64V4JL


DDR-400 SO-DIMM

Capacity	Component Composition	Rank x Org.	Standard (2.5V)
512MB	(64Mx8)x8	1Rx8	TS64MSD64V4J

DDR-333 SO-DIMM

Capacity	Component Composition	Rank x Org.	Standard (2.5V)
128MB	(16Mx16)x4	1Rx16	TS16MSD64V3G
256MB	(16Mx16)x8	2Rx16	TS32MSD64V3G
256MB	(32Mx8)x8	1Rx8	TS32MSD64V3F5
512MB	(64Mx8)x8	1Rx8	TS64MSD64V3J
1GB	(64Mx8)x16	2Rx8	TS128MSD64V3A

DDR ECC DIMMs

Module Type	DDR ECC Long-DIMM
Product Image	
Standard	JEDEC
Speed	400 Mbps
Capacity	1GB
Voltage	2.5V
Pin Count	184pin
PCB Height	1.2 inches
Operating Temperature	Standard Temperature: 0°C~ 85°C

Ordering Information

DDR-400 ECC Long-DIMM

Capacity	Component Composition	Rank x Org.	Standard (2.5V)
1GB	(64Mx8)x18	2Rx8	TS128MLD72V4J

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.

DDR Registered DIMMs

Module Type	DDR Registered DIMM
Product Image	
Standard	JEDEC
Speed	266 Mbps
Capacity	1GB
Voltage	2.5V
Pin Count	184pin
PCB Height	1 inches
Operating Temperature	Standard Temperature: 0°C~ 85°C

Ordering Information


DDR-266 Registered DIMM

Capacity	Component Composition	Rank x Org.	Standard (2.5V)
1GB	(128Mx4)x18	1Rx4	TS128MDR72V6S



Please feel free to contact us with any special requests you might have.
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SDRAM Unbuffered DIMMs

Module Type	SDRAM SO-DIMM
Product Image	
Standard	JEDEC
Speed	133 Mbps
Capacity	128MB
Voltage	3.3V
Pin Count	144pin
PCB Height	0.94/0.9 inches
Operating Temperature	Standard Temperature: 0°C~ 85°C

Ordering Information

SDRAM-133 SO-DIMM

Capacity	Component Composition	Rank x Org.	Standard (3.3V)
1GB	(16Mx16)x4	1Rx16	TS16MSS64V6G



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