

CONGATEC QUALIFIED DDR-SDRAM

DDR4 SODIMM 2666



- congatec qualified SODIMM memory modules
- Industrial & commercial temperature grade
- ECC & non-ECC (Error correction code)
- Capacity from 4 – 32GB | Speed 2666 MT/s
- Continuous qualification with newest memory technology for longevity

Formfactor	SO-DIMM
Memory Type	DDR4 RAM
Pin Count	260
Storage Capacity	4GB 8GB 16GB 32GB
Data Rate	2666 MT/s
CAS Latency	CL19 or better
Supply Voltage	1.2 V
Vendors*	InnoDisk Corporation Smart Modular Technologies Kingston Technology Company, Inc. Memphis Electronic AG Micron Technology Inc. Transcend Information Trading GmbH For details including country of origin, ODM, etc: Please see your congatec order confirmation
Function	ECC Non-ECC
Temperature Range	Commercial: Operating: 0° to +60°C Storage: -40° to +85°C Industrial: Operating: -40°C to +85°C Storage: -40° to +85°C
ECCN	EAR99
RoHS	Compliant
REACH/SVHC	Compliant
CE	Compliant

*For a list of congatec qualified memories, please contact your local sales representative

congatec Memory Qualification Process

Why should you buy DRAMs directly from congatec?

Just selecting known DRAM suppliers does not automatically result in a high reliable computing platform. There are much more parameters to be checked to find the best solution.

At congatec we have a detailed memory qualification process in place to be able to provide highest reliability:

— Data Sheet Check

- Mechanical and electrical data
- If it qualifies then we get samples for testing

— Mechanical Check

- Size, thickness and fitting
- Tested for all relevant congatec products

— Electrical Check

- Windows installation
- Suspend to RAM (S3) & restart cycles
- Test cycles with 13 different automated test sequences

— Reliability Check

- Electrical tests for 3-5 days at full temperature range
- -10°C to +70°C for commercial grade
- -50°C to +90°C for industrial grade

— Compatibility Check

- Different operating systems are tested for all related congatec products

— Test Report

- A detailed document about the complete testing is created

— Approval

- All tests must be passed for release

Please note that congatec will only provide technical support for issues related to memory modules that have been qualified and approved by congatec.

Using congatec tested and approved memories, in combination with your selected congatec product, ensures highly reliable solutions. For more information contact your congatec sales representative.

Order Information

Article	PN	Description
DDR4-SODIMM-2666 (4GB)	067780	DDR4 SODIMM memory module with 2666 MT/s and 4GB RAM
DDR4-SODIMM-2666 (8GB)	067781	DDR4 SODIMM memory module with 2666 MT/s and 8GB RAM
DDR4-SODIMM-2666 (16GB)	067782	DDR4 SODIMM memory module with 2666 MT/s and 16GB RAM
DDR4-SODIMM-2666 (32GB)	068806	DDR4 SODIMM memory module with 2666 MT/s and 32GB RAM
DDR4-SODIMM-2666 ECC (4GB)	067783	DDR4 SODIMM memory module with 2666 MT/s and 4GB RAM with ECC
DDR4-SODIMM-2666 ECC (8GB)	067784	DDR4 SODIMM memory module with 2666 MT/s and 8GB RAM with ECC
DDR4-SODIMM-2666 ECC (16GB)	067785	DDR4 SODIMM memory module with 2666 MT/s and 16GB RAM with ECC
DDR4-SODIMM-2666 ECC (32GB)	068805	DDR4 SODIMM memory module with 2666 MT/s and 32GB RAM with ECC
DDR4-SODIMM-2666 (4GB) / i-temp	068819	DDR4 SODIMM memory module with 2666 MT/s and 4GB RAM / i-temp
DDR4-SODIMM-2666 (8GB) / i-temp	068820	DDR4 SODIMM memory module with 2666 MT/s and 8GB RAM / i-temp
DDR4-SODIMM-2666 (16GB) / i-temp	068821	DDR4 SODIMM memory module with 2666 MT/s and 16GB RAM / i-temp
DDR4-SODIMM-2666 (32GB) / i-temp	068807	DDR4 SODIMM memory module with 2666 MT/s and 32GB RAM / i-temp
DDR4-SODIMM-2666 ECC (4GB) / i-temp	068822	DDR4 SODIMM memory module with 2666 MT/s and 4GB RAM with ECC / i-temp
DDR4-SODIMM-2666 ECC (8GB) / i-temp	068823	DDR4 SODIMM memory module with 2666 MT/s and 8GB RAM with ECC / i-temp
DDR4-SODIMM-2666 ECC (16GB) / i-temp	068824	DDR4 SODIMM memory module with 2666 MT/s and 16GB RAM with ECC / i-temp
DDR4-SODIMM-2666 ECC (32GB) / i-temp	068808	DDR4 SODIMM memory module with 2666 MT/s and 32GB RAM with ECC / i-temp