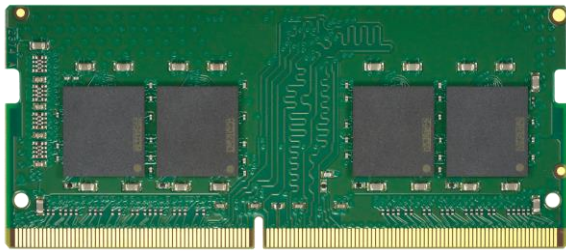


# CONGATEC QUALIFIED DDR-SDRAM

## DDR4 SODIMM 2400



- congatec qualified SODIMM memory modules
- Industrial & commercial temperature grade
- ECC & non-ECC (Error correction code)
- Capacity from 4 – 32GB | Speed 2400 MT/s
- Continuous qualification with newest memory technology for longevity

<b>Formfactor</b>	SO-DIMM		
<b>Memory Type</b>	DDR4 RAM		
<b>Pin Count</b>	260		
<b>Storage Capacity</b>	4GB   8GB   16GB   32GB		
<b>Data Rate</b>	2400 MT/s		
<b>CAS Latency</b>	CL19 or better		
<b>Supply Voltage</b>	1.2 V		
<b>Vendors*</b>	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		
<b>Function</b>	ECC   Non-ECC		
<b>Temperature Range</b>	Commercial: Industrial:	Operating: 0° to +60°C Operating: -40°C to +85°C	Storage: -40° to +85°C Storage: -40° to +85°C
<b>ECCN</b>	EAR99		
<b>RoHS</b>	Compliant		
<b>REACH/SVHC</b>	Compliant		
<b>CE</b>	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-2400 (4GB)	068790	DDR4 SODIMM memory module with 2400 MT/s and 4GB RAM
DDR4-SODIMM-2400 (8GB)	068791	DDR4 SODIMM memory module with 2400 MT/s and 8GB RAM
DDR4-SODIMM-2400 (16GB)	068792	DDR4 SODIMM memory module with 2400 MT/s and 16GB RAM
DDR4-SODIMM-2400 ECC (4GB)	068795	DDR4 SODIMM memory module with 2400 MT/s and 4GB RAM with ECC
DDR4-SODIMM-2400 ECC (8GB)	068796	DDR4 SODIMM memory module with 2400 MT/s and 8GB RAM with ECC
DDR4-SODIMM-2400 ECC (16GB)	068797	DDR4 SODIMM memory module with 2400 MT/s and 16GB RAM with ECC
DDR4-SODIMM-2400 (4GB) / i-temp	068714	DDR4 SODIMM memory module with 2400 MT/s and 4GB RAM / i-temp
DDR4-SODIMM-2400 (8GB) / i-temp	068715	DDR4 SODIMM memory module with 2400 MT/s and 8GB RAM / i-temp
DDR4-SODIMM-2400 (16GB) / i-temp	068716	DDR4 SODIMM memory module with 2400 MT/s and 16GB RAM / i-temp
DDR4-SODIMM-2400 ECC (4GB) / i-temp	068717	DDR4 SODIMM memory module with 2400 MT/s and 4GB RAM with ECC / i-temp
DDR4-SODIMM-2400 ECC (8GB) / i-temp	068718	DDR4 SODIMM memory module with 2400 MT/s and 8GB RAM with ECC / i-temp
DDR4-SODIMM-2400 ECC (16GB) / i-temp	068719	DDR4 SODIMM memory module with 2400 MT/s and 16GB RAM with ECC / i-temp
DDR4-SODIMM-2400 ECC (32GB) / i-temp	068720	DDR4 SODIMM memory module with 2400 MT/s and 32GB RAM with ECC / i-temp