



## Silicon Power

I N D U S T R I A L

Smart  
**Solutions**  
for **you!**

### About Silicon Power Industrial

Silicon Power, founded in 2003, produces DRAM and Flash products for the consumer and industrial area. Due to the significantly higher requirements in the industrial sector, separate R&D departments have been set up to meet the customer specific challenges in the industrial environment. By testing each and every product, quality features like chip screening, burn-in tests, or a consistent traceability of every product - including the production history - Silicon Power is in a good position to meet even the highest requirements in the areas Industrial, Medical, Military and Aerospace.

Common for all products is a long term availability of at least 5 years and a sophisticated Bill-of-Material-, EOL- and PCN-Management. Safety comes with a long warranty of 5 years (and within TBW) for SLC products and 3 years (and within TBW) for MLC/3D-TLC products.

### About Silicon Power DRAM

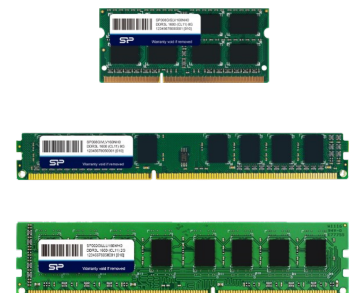
Silicon Power's DDR3, DDR4 and DDR5 DRAM modules are produced using the highest quality standards and provide a price effective and reliable solution for any industrial purpose. All products are fully tested to guarantee stability, reliability and compatibility. The DRAM modules are also available with an optional 30µ gold finger plating and/or with an optional extended temperature range of -40°C to -85°C to enable the usage in more rugged environments.

Silicon Power provides a 10 year warranty for all modules.

### DDR3 DRAM

- High performance transfer bandwidth reaches up to 12.8GB/s
- Low voltage of 1.35V for less power consumption
- Original and high quality memory module
- 100% tested for stability, durability and compatibility
- Optional 30 µ-inches gold finger plating
- Supports operating temperatures from -40°C to +85°C
- Wide temperature version available on request

	SODIMM	UDIMM / VLP UDIMM
DRAM Type	DDR3L	
Capacity	2/4/8GB	
Data Rate	1600/1866 MHz	
CAS Latency	CL11 / CL13	
Voltage	1.35V	
Pin Count	204 pin	240 pin
Data Width	64 bits	
PCB Height	1.2" (30,50 mm)	1.2" (30,50 mm) / VLP: 0.74" (18,9
Operating Temp 0-85°C	✓	
Operating Temp -40°C - 85°C	✓	
Storage Temperature	-55°C ~ 95°C	
Operating Humidity	10% ~ 95% (30°C Max. Wet Bulb Temp.)	
Warranty	10 years	



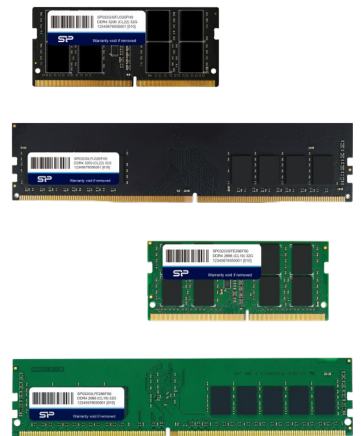
## Industrial DRAM Solutions



### DDR4 DRAM

- High performance transfer bandwidth reaches up to 19.2GB/s ~ 25.6GB/s
- Low voltage of 1.2V for less power consumption
- Original and high quality memory module
- 100% tested for stability, durability and compatibility
- Optional 30 μ-inches gold finger plating
- Supports operating temperatures from -40 °C to +85 °C
- Wide temperature version available on request
- 3200MHz is only available at 8GB, 16GB and 32GB

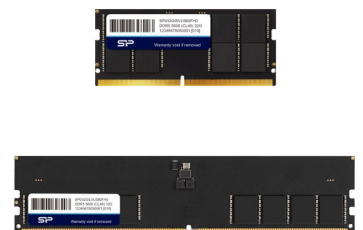
	SODIMM	UDIMM	ECC SODIMM	ECC UDIMM
DRAM Type	DDR4			
Capacity	4/8/16/32GB		16/32GB	
Data Rate	2666/3200MHz		3200MHz	
CAS Latency	CL19 / CL22		CL22	
Voltage	1.2V			
Pin Count	260 pin	288 pin	260 pin	288 pin
Data Width	64 bits		72 bits	
PCB Height	1.18" (30.13mm)	1.23" (31.40mm)	1.18" (30.13mm)	1.23" (31.40mm)
Std. Temp.	0 °C - 85 °C			
Wide Temp.	-40 °C - 85 °C			
Storage Temp.	-55 °C ~ 95 °C			
Op. Humidity	10% ~ 95% (30 °C Max. Wet Bulb Temp.)			
Warranty	10 years			



### DDR5 DRAM

- High performance transfer bandwidth reaches up to 38.4GB/s
- Low voltage of 1.1V for less power consumption
- Original and high quality memory module
- 100% tested for stability, durability and compatibility
- Optional 30 μ-inches gold finger plating

	SODIMM	UDIMM
DRAM Type	DDR5	
Capacity	16/32GB	
Data Rate	4800MHz	
CAS Latency	CL40	
Voltage	1.1V	
Pin Count	260 pin	288 pin
Data Width	64 bits	
PCB Height	1.18" (30.13mm)	1.23" (31.40mm)
Std. Temp.	0 °C - 85 °C	
Wide Temp.	-	
Storage Temp.	-55 °C ~ 95 °C	
Op. Humidity	10% ~ 95% (30 °C Max. Wet Bulb Temp.)	
Warranty	10 years	



**DACOM**

West

SP DRAM overview EN 2023V02\_Oct\_2023

**DACOM**

West

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