



Many embedded operators are facing increasing difficulty with high sulfur content in their surroundings. The sulfur can cause corrosion damage to DRAM modules and lead to complete module failure, and, most detrimental to the operator, costly downtime.

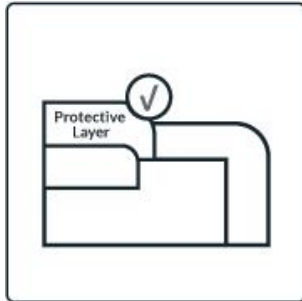
To solve this problem, Innodisk has released a brand new series of anti-sulfuration DRAM modules. These modules are protected against the high sulfur concentrations by a specialized design that shields the components, effectively sealing off the exposed parts of the module from the sulfur in the air.

### What is sulfuration?

- Sulfur reacts with silver used in DRAM modules and creates silver sulfide ( $\text{Ag}_2\text{S}$ )
- This corrosion lowers conductivity and can potentially lead to module failure
- Sulfuration is most commonly encountered in areas with pollution and volcanic activity; as well as in the petrochemical, mining and energy sector

Innodisk has a wide range of available models, and can offer modules that combine anti-sulfuration technology with error correcting code and  $30\mu$ " Gold Fingers for a truly industrial-grade DRAM solution. For extreme temperature

conditions, wide temperature modules that can withstand  $-40^{\circ}\text{C}$  to  $85^{\circ}\text{C}$  are also available. Other options that can further increase robustness are conformal coating and side fill will, which will provide an even more durable module.



### Extended Longevity

- The robust anti-sulfuration design greatly increases the modules longevity in harsh environments

### Lower Total Cost of Ownership

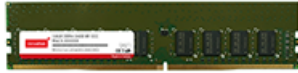
- Increased durability ensures longer sustained use without the need for maintenance or replacement



## Applications



## Product Highlights



### DDR4 ECC DIMM

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### DDR4 DIMM

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### DDR3 ECC DIMM

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### DDR3 DIMM

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