

DDR5 ECC CUDIMM

Memory Module



ADATA Industrial DDR5 ECC CUDIMM 6400MT/s memory module integrates advanced CKD clock driver, PMIC power management, On-die ECC and Side-band ECC dual error correction technologies, delivering extreme high-speed transmission efficiency with a 1.1V low-voltage architecture. Supporting anti-sulfuration treatment and professional conformal coating, the module greatly enhances industrial weather resistance and maintains stable operation under harsh working conditions. Fully optimized for edge AI computing, LLM inference, machine vision and embedded industrial systems, it provides a reliable, high-efficiency professional memory Solution for mission-critical industrial embedded applications.

Features

- Ultra-high speed of 6400 MT/s
- Client Clock Driver (CKD) and Transient Voltage Suppressors (TVS) diode to ensure performance stability
- Ultra-low operating voltage of 1.1V for improved power efficiency
- Power Management IC (PMIC) ensures power supply stability
- On-die ECC and Side-band ECC technology for more reliable data transfer
- Suitable for datacenter, surveillance and other data-heavy applications or platforms applied in AI-driven environ
- RoHS and JEDEC compliance
- Customized services: Anti-Sulfuration Protection and Conformal Coating help to enhance product durability in harsh environments

Ordering Information

Operating Temp.	Capacity	P/N	IC Configuration
0°C to 95°C	16GB	AD5CE640016G8-BHYM	2048X8
	32GB	AD5CE640032G16-BHYM	2048X8
	64GB	AD5CE640064G20-BHYM	4096X8
-40°C to 95°C	16GB	AD5WCE640016G8-BHYM	2048X8
	32GB	AD5WCE640032G16-BHYM	2048X8
	64GB	AD5WCE640064G20-BHYM	4096X8

Specifications

Model	DDR5 ECC CUDIMM
Interface	DDR5
Module Type	ECC CUDIMM
Frequency	6400 MT/s
Capacity	16GB/32GB/64GB
Pin Count	288-pin
PCB Height	Standard 1.23"
Operating Voltage	1.1V
Operating Temperature(Standard)	0°C to 95°C TC
Operating Temperature(Industrial)	-40°C to 95°C TC
Standard	JEDEC
RoHS	Yes

Contact Us

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