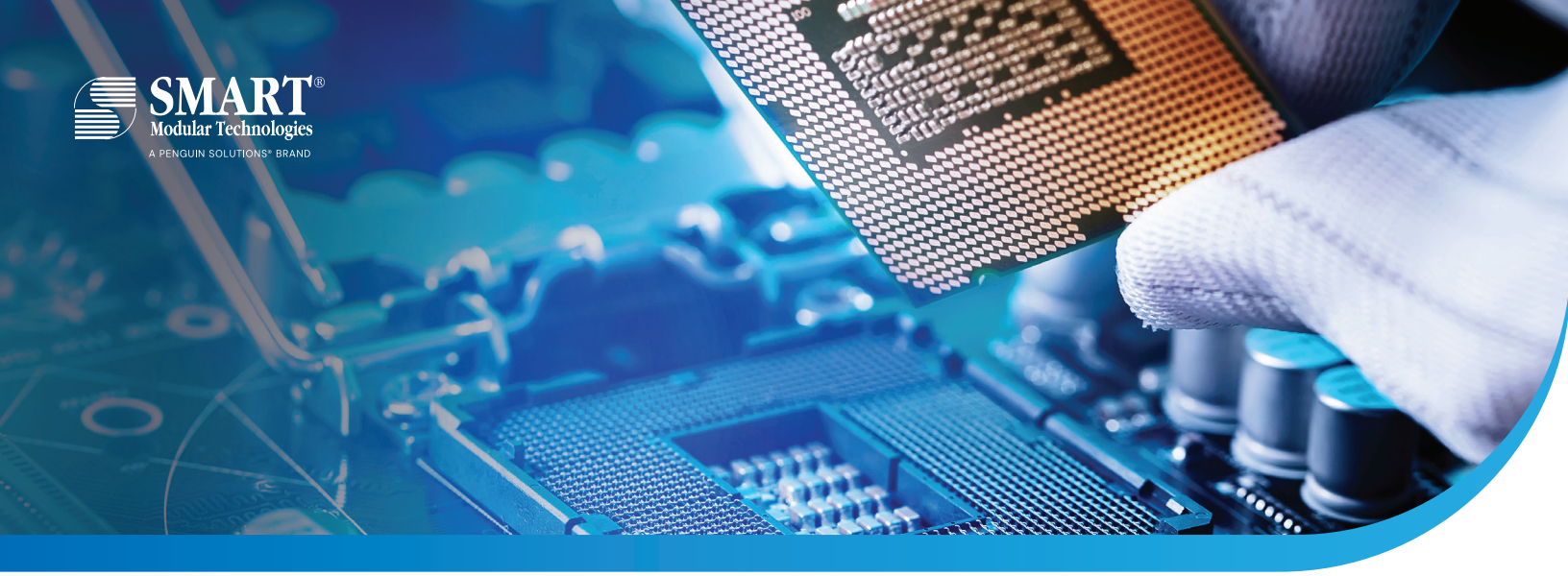

SMART CMM-E3S

The SMART CMM-E3S is a high-performance memory module that utilizes the Compute Express Link (CXL) 2.0 standard in an E3.S 2T (2U Short) form factor. This module is designed to address the growing demand for memory expansion and increased bandwidth in data centers and high-performance computing environments.

Key Features

- Form Factor: E3.S 2T
- CXL Version: 2.0
- Interface: PCIe Gen5 x8 CXL
- Memory Type: DDR5 DRAM
- Capacity Options: 64GB, 96GB, 128GB
- Bandwidth: Up to 63.0 GBps
- Operating Temperature: 0°C to 70°C

Features and Benefits:

- CXL Technology: Leverages the open industry CXL standard for high-bandwidth, low-latency connectivity between host processors, accelerators, memory devices, and NICs.
- Memory Expansion: Enables significant memory capacity expansion beyond traditional DIMM form factors, addressing the needs of memory-intensive workloads.
- Type 3 Device: Classified as a CXL Type 3 (CXL.mem) device, allowing host CPUs to coherently access the module's memory with load/store commands.
- Versatility: Suitable for various high-performance computational workloads, including AI, machine learning, HPC, and communications applications.
- Form Factor Advantage: Utilizes the E3.S form factor, which is derived from SSD designs, offering new options for memory expansion in server architectures.
- PCIe Gen5 Compatibility: Built on the PCIe Gen5 physical layer, ensuring high-speed data transfer and compatibility with the latest server platforms.

Applications

- Artificial Intelligence (AI) and Machine Learning (ML)
- High-Performance Computing (HPC)
- Data Analytics
- In-Memory Databases
- Cloud Computing
- Edge Computing

Ordering Information

CMM-E3S Memory Module	
SMART Part Number	Description
STXBB64GMCF4S40HA	64GB Memory modules in E3.S 2T form-factor with dual ranks/channel DDR5, utilizing CXL 2.0
STXBB96GMCF4S40HM	96GB Memory modules in E3.S 2T form-factor with dual ranks/channel DDR5, utilizing CXL 2.0
STXBB128GMCF4S40MB	128GB Memory modules in E3.S 2T form-factor with dual ranks/channel DDR5, utilizing CXL 2.0

Contact: Torry Steed at torry.steed@smartm.com for any sales and sampling queries.

SMART® Modular Technologies
A PENGUIN SOLUTIONS® BRAND

For more information, please visit: **www.smartm.com**

**Product images are for promotional purposes only. Labels may not be representative of the actual product.*

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