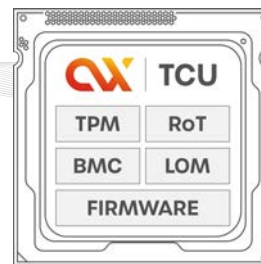




Axiado Smart-SCM Customer Kit







Axiado TCU block diagram

Axiado Smart Secure Control Modules (SCM)

SCM3000 Vertical & Horizontal Form Factor DC-SCM2.0 Cards

Axiado SCM cards are an implementation based on the OCP DC-SCM Rev2.0 Ver1.0 Base Specification. The SCM cards allow connection to different single- and dual-node configuration HPM platforms providing a common server management and security solution across different platforms. The SCM cards are powered by Axiado AI-driven, hardware-anchored TCU, which when loaded with a compatible OpenBMC firmware, provides a rich set of common features necessary for remote server management. In addition, a PRoT solution provides secure firmware authentication, firmware recovery, and firmware update capability. A set of AI engines that can be programmed for ML inferencing to capture side-channel attacks and anomaly detection.

			
FEATURES	SCM3001	SCM3002	SCM3003
TCU processor	AX3000	AX3000	AX3000
Form factor	Vertical (1U)	Horizontal	Vertical (1U)
FPGA	Yes, for flexibility	Yes, for flexibility	Caliptra integrated
OCP-inspired	Yes	Yes	Yes
# node support	Single/dual	Single/dual	Single/dual/quad
AI/ML support	Yes – 4x engines	Yes – 4x engines	Yes – 4x engines
Dimensions	188mm (L) x 40mm (H)	90mm (L) x 120mm (H)	100mm (L) x 40mm (H)
External Interfaces	1x RJ45, 1x GbE port, 1x HDMI, 1x USB2.0 Type-A	2x RJ45, 1x 10G SFP port, 1x HDMI, 1x USB2.0 Type-A	1x RJ45, 1x GbE port, 1x HDMI, 1x USB2.0 Type-A
Run time memory	Up to 16GB	Up to 16GB	Up to 16GB
Applications	Cloud/datacenters, 5G/RAN, enterprise switches	Cloud/datacenters, 5G/RAN	Cloud/datacenters, 5G/RAN
Available	Now	Now	2024