



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 PProT 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	SCM3004
Applications	Cloud/datacenters, 5G/RAN, enterprise switches	Cloud/datacenters, 5G/RAN	Cloud/datacenters, 5G/RAN	NVIDIA MGX platforms
Form factor	Vertical (1U)	Horizontal	Vertical (1U)	Internal (1U)
FPGA	Yes, for flexibility	Yes, for flexibility	OCP Caliptra integrated	Yes, for flexibility
OCP-inspired	Yes	Yes	Yes	Yes
# node support	Single/dual	Single/dual	Single/dual/quad	Single/dual
AI/ML support	Yes – 4x engines	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)	85.48mm (L) x 33.50mm (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	No
Available	Now	Now	Now	Now