

Hardware Platform Management

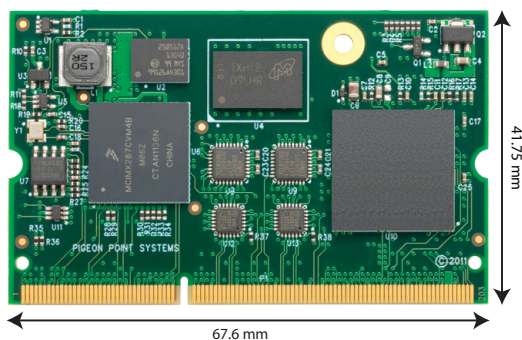
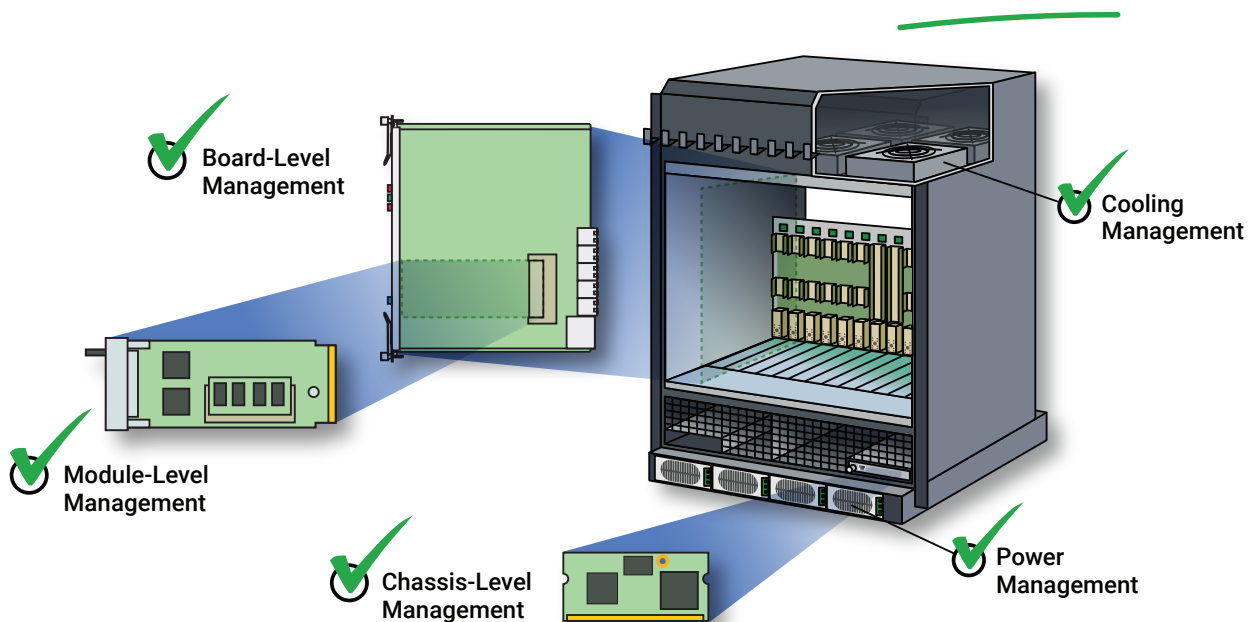
WORLD-CLASS MANAGEMENT COMPONENTS

nVent SCHROFF Hardware Platform management components focus on open standard modular/bladed architectures. These management components support AdvancedTCA, μ TCA and VPX architectures as well as custom architectures that take advantage of a well-defined management infrastructure. These products benefit from our years of leadership in specification development and interoperability testing within standards organizations.

WHAT IS HARDWARE PLATFORM MANAGEMENT?

Providing management of HW/SW platforms both locally and remotely and at both the chassis and board level. Management includes monitoring power and cooling, logging events, inventory control and recovery in support of primary computing and other applications on those platforms.

Hardware Platform Management Solutions At Every Level



Mezzanine Module for ATCA
(ShMM-700R) and VPX Chassis (ChMM-700R)

SHELF MANAGEMENT MEZZANINE SOLUTIONS

TECHNICAL DETAILS SHMM-700R

Despite its small size and high integration, the RoHS-compliant ShMM-700R includes a capable compute core while still remaining low power:

- 297 MHz ARM processor: the Freescale i.MX287
- Microsemi SmartFusion FPGA
- 128 MB of SDRAM
- 64 MB of Flash for program, data storage (two copies to support reliable upgrades)
- Maximum power: 3.1W at 3.3V/5.0V.

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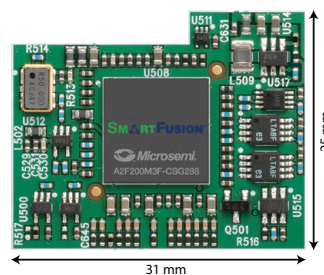
BOARD MANAGEMENT REFERENCE PRODUCTS

Each solution provides a Board Management Reference (BMR) specific to the type of controller you need; complete with schematics and firmware source code, ready for easy and quick integration with your board. Each solution is built around highly-integrated core silicon using a SmartFusion® intelligent mixed signal FPGA.

STARTER KITS

Starter Kits with hardware schematics & FPGA designs plus firmware, bench top hardware and support:

- SCHROFF schematics, ready to be integrated into customer board schematics, with SCHROFF guidance and detailed review
- Loaded with SCHROFF firmware, customized as needed
- Release materials delivered by secure webpage



Reference IPMC for ATCA or VPX



Starter Kits provide everything needed to incorporate management components

ORDER INFORMATION	ITEM NUMBERS
Shelf Management Mezzanine - ShMM-700R with 64MB flash and 128MB RAM	21990-540
Chassis Management Mezzanine - ChMM-700R with 64MB flash and 128MB RAM	21990-541
Shelf Management Starter Kit (ShMM-700R)	21990-130
Board Management Starter Kit for ATCA IPMC (BMR-A2F-ATCA-SK)	21991-132
Board Management Starter Kit for VPX IPMC (BMR-A2F-VPX-SK)	21991-135
Board Management Starter Kit for AMC MMC (BMR-A2F-AMCm-SK-ATCA)	21991-136

For more products and further information please visit: nVent.com/SCHROFF

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