AdvancedTCA

Schroff

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ATCA Systems

Schroff AdvancedTCA System solutions integrate key technologies – power entry, thermal management, high-speed backplane design, and shelf management – to provide today's system integrators with leading edge solutions for the communications market. High performance thermal solutions handle the 200+ W per slot required for the newest generation of blades for chassis from 2 to 16 slots. With data speeds pushing 10 Gbps on the high speed fabric interface – backplane design is a critical element of an AdvancedTCA system. Schroff provides a range of topologies from dual star to triple replicated mesh – featuring leading edge techniques such as backdrilling and quad routing. Shelf Management is the control and management infrastructure for high availability AdvancedTCA systems. Leveraging Pigeon Point technology, Schroff has developed a cost effective management infrastructure in our chassis that combines I2C for managing FRUs, with IPMC for Blade interface. In addition we offer both bused and radial IPMB topology options standard in the family of Schroff AdvancedTCA system solutions. A common shelf manager carrier is interchangeable in all Schroff AdvancedTCA product platforms.

Available products include:

2-slot 15X replicated Mesh AC and DC systems for enterprise and development applications.

5/6-slot AC and DC systems with Triple Replicated Mesh Backplanes for both carrier grade telecom and enterprise requirements; features include optional shelf management and shelf alarm panel.

14/16-slot 12U and 13U Dual Star and Full Mesh DC Systems; available in both radial or bused IPMB – these systems are "NEBS" ready solutions targeted at the Telecom market. A 14-slot AC version is available for enterprise applications.

FEATURES

✦ Broadest range of 2- to 16- slot AdvancedTCA systems

✦ AC and DC options for both NEBS Telco and cost sensitive Enterprise requirements

✦ Backplane topology options including Dual Star, Full Mesh, and Triple Replicated Mesh with Bused or Radial IPMB

✦ Proven high performance thermal solutions for 200 watts per slot and beyond

✦ Schroff Shelf Management Architecture based on Pigeon Point ShMM-500 technology

✦ Full range of accessory products including air baffles, front panels, test boards, cabinets

✦ Engineered custom configurations to meet your exact requirements