

Best-in-every-category solutions...
...for the most demanding applications

14 Slot 12U Vertical ATCA

Advanced TCA™

Every aspect of the Perform Series 14 slot ATCA shelf has been developed to surpass the current solutions found in the market. The Perform Series 14 slot has been developed based on the accumulated knowledge and experience in the implementation of the ATCA standard since its inception in 2001, while incorporating the latest technologies available. The 14 slot 12U shelf uniquely offers greater computing density in its ability to fit three 14-slot shelves to be mounted on a standard 42U rack, while maintaining cooling performance of 300W per slot.

Superior Cooling Capabilities

With its support for over 300W per slot, compliance with the strict NEBS (GR63) cooling requirements, and fault tolerance airflow design, the Perform Series 14-slot shelf surpasses the cooling capabilities of the current solutions found in the market. These enhanced cooling capabilities (patent pending) are based on a comprehensive thermal study and realized with the most advanced fan systems.



Superior Backplane Speed

With backplane speed of more than 10Gbps, the Perform Series 14-slot surpasses the speed requirements of the ATCA standard, while ensuring signal integrity. These enhanced capabilities are based on extensive practical experience and comprehensive Signal Integrity Studies, which led to the optimization of the backplane.



Superior Control and Management

The Perform Series 14-slot features a sophisticated shelf manager with a unique HPI-based SW module, offering seamless access to the shelf control and management interface. It features unique distribution of sensors, and comprehensive alarm I/O.

Superior Availability and Serviceability

The Perform Series 14-slot shelf was designed to exceed the availability and serviceability requirements specified in the ATCA standard. Tested by an external laboratory, the Perform Series 14-slot shelf was found to exceed the standard MTBF and MTTR measurements, proving its superior availability and serviceability.



PERFORMseries

The Perform Series has been especially designed for the most demanding applications, where superior performance and reliability justifies the investment on a best-in-every-category solution.

Key Features

- Unique over 300W per slot cooling
- Ability to fit three 14-slot shelves in a standard 42U rack.
- Unique HPI-based SW module, offering seamless access to the shelf control and management interface.
- More than 10 Gbps backplane speed, optimized via extensive signal integrity studies
- Surpasses the ATCA standard requirements in availability and serviceability.
- Intelligent Power management module including over-current protection.
- A choice of different cable management trays specifically designed for various applications
- New slim redundant and hot swappable shelf manager based on Pigeon Point ShMM 500 technology
- Redundant and Removable FRU's (PEM's, Power Supplies, Shelf Managers)
- "NEBS ready" integrated system, RoHS compliant, designed to meet CE UL, TUV, and FCC.
- Dual, Full Mesh, Replicated and custom topology