

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

## 2-Slot ATCA

**Advanced TCA™**

Every aspect of the Perform Series 2-slot ATCA shelf has been developed to surpass the current solutions found in the market. Based on the accumulated knowledge and experience in the implementation of the ATCA standard since its inception in 2001, the Perform Series 2-slot incorporates the latest technologies in the field. It offers the practicality of a small form-factor shelf for development or demonstration purposes with the possibility of deploying the same shelf as a final product.

### Superior Cooling Capabilities

With its support for over 300W per slot, and compliance to the strict NEBS (GR63) cooling requirements, the Perform Series 2-slot shelf surpasses the cooling capabilities of the current solutions found in the market. These enhanced cooling capabilities are based on a comprehensive thermal study, realized with the most advanced fan systems and are currently patent pending.



### Superior Backplane Speed

With backplane speed of more than 10 Gbps, the Perform Series 2-slot shelf 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, resulting in unique optimization of the backplane.



### Superior Control and Management

The Perform Series 2-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 2-slot shelf was designed to exceed the availability and serviceability requirements specified in the ATCA standard. Tested by an external laboratory, the Perform Series 2-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 300W per slot cooling.
- Unique HPI-based SW module, offering seamless access to the shelf control and management interface.
- More than 10 Gbps backplane speed.
- Surpasses the ATCA standard requirements in availability and serviceability.
- Intelligent power management module including over-current protection.
- Cable management trays specifically designed for various applications.
- Slim shelf manager based on Pigeon Point ShMM 500.
- "NEBS ready" integrated system, RoHS compliant, designed to meet CE UL, TUV, and FCC.
- Both AC and DC versions are available:
  - AC feature Asis' proprietary redundant and hot swappable power supplies of 1200W each.
  - DC features redundant and hot swappable 48VDC PEM.
- Redundant and hot swappable FRU's (PEMs, power supplies, shelf managers).