

Telco-grade solutions for cost sensitive applications

14 Slot 12U Horizontal ATCA

Advanced TCA™

A revolutionary horizontal 14 slot ATCA shelf design concept, results in a state of the art ATCA shelf which provide an unprecedented thermal capabilities in a 12U chassis. The solution proves to be both high efficiency and cost effective.

Cost Effective Cooling

In order to meet the ATCA standard while reducing the cost, Asis has designed a cost effective revolutionary cooling system for the Effective Series 14 slots Horizontal ATCA. The cooling system implements a pressurized cooling method, providing homogenized airflow covering the entire blade. The system has been verified to meet more than 250W per slot requirement, and it is the only 14 slots chassis able to cope with multiple AMC configurations.

Cost Effective Backplane

Based on extensive practical experience and comprehensive signal integrity studies, Asis has been able to develop the most cost effective backplane in the market. The design offers unprecedented optimization between cost and performance by reducing the number of layers, while maintaining performance requirements of the ATCA standard.

Cost Effective Shelf Manager

The Effective Series 14 slots ATCA offers two shelf manager components to choose from:

Shelf Manager Pro -

a fully featured shelf manager, based on Pigeon Point™ software. This shelf manager was developed in cooperation with Pigeon Point and designed to minimize footprint in order to reduce cost, while maintaining the highest performance and conformance with the ATCA standard.

Basic Shelf Manager -

a cost-effective and basic shelf manager, designed and developed by ASIS. This shelf manger does not include OEM shelf manager software as it offers the most basic functionality. The reduced cost software was designed to manage and control the fans only. The Shelf Manager C is perfect for cost-sensitive applications and for development purposes.



EFFECTIVE series

The Effective Series 14 slots Horizontal ATCA offers the reliability and availability of the Telco-grade standards in a cost- effective package. Suitable for cost-sensitive, yet demanding applications, the Effective Series 14 slots Horizontal ATCA has been designed to maximize performance in a low-cost shelf.

Key Features

- Cost effective pressurized cooling of more than 250W per slot, using full 12U air inlet and outlet.
- The only 14 slots chassis able to cope with multiple AMC configurations.
- Cost effective shelf manager in two versions:
 - Fully featured based on Pigeon Point™ ShMM 500 technology
 - Basic, cost effective, developed by Asis.
- Cost Effective Backplane, optimized by extensive signal integrity studies.
- Intelligent Power management module including over current protection.
- Available in AC and DC versions:
 - AC feature Asis' proprietary redundant and hot swappable power supplies.
 - DC features redundant and hot swappable 48VDC PEM.
- Redundant and hot swappable FRU's (PEM, Power Supply, Shelf Managers...)
- Dual, Full Mesh, Replicated and custom topology.