

Telco-grade solutions for cost sensitive applications

2-Slot ATCA



The Effective Series 2 slot ATCA Shelf offers the practicality of a small form-factor shelf for development purposes with the possibility of deploying the same shelf as a final product. This makes it perfect for both developers, reducing their time to market and for deployment of superior small form-factor products. Based on the accumulated knowledge and experience in the implementation of the ATCA standard since its inception in 2001, the Effective Series 2 slot ATCA incorporates the latest technologies available to reduce its price while maintaining performance and reliability.

Cost Effective Cooling

To meet ATCA standards and reduce cost, Asis has designed a cost effective cooling system for the Effective Series 2 slot ATCA. The cooling system implements a pressurized cooling method and uses the latest fan and airflow technologies. The system has been verified to meet PICMG 200W per slot requirement, while maintaining the NEBS requirement for noise reduction.



Cost Effective Shelf Manager

The Effective Series 2 slot 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 manager 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.

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.



EFFECTIVE series

The Effective Series 2 slot 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 2 slot ATCA has been designed to maximize performance in a low-cost shelf.

Key Features

- Cost effective cooling dissipating more than 200W per slot
- 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 with extensive signal integrity studies.
- Intelligent Power management module including over current protection.
- "NEBS ready" integrated system, RoHS compliant, designed to meet CE UL, TUV and FCC.
- 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 (PEMs, power supplies, shelf managers).
- Unique removable top cover shelf available.