

## Telco-grade solutions for cost sensitive applications

### 14 Slot ATCA

**Advanced TCA™**

The Effective Series 14 slot ATCA shelf 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 slot has been designed to maximize performance while minimizing costs. It uniquely offers greater computing density in its ability to carry 14 slots in a 12U chassis, while maintaining the ATCA requirements.

#### Cost Effective Cooling

To meet ATCA standards and reduce cost, Asis has designed a cost effective cooling system for the Effective Series 14 slot ATCA. The cooling system implements a pull-only cooling method using the latest fan and airflow technologies. The system has been verified to meet more than 200W per slot requirement, while maintaining the NEBS requirement for noise reduction.



#### Cost Effective Shelf Manager

The Effective Series 14 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 14 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 14 slot ATCA has been designed to maximize performance in a low-cost shelf.**

#### Key Features

- Cost effective pull cooling of 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 by 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.
- Redundant and hot swappable FRU's (PEM's, Power Supplies, Shelf Managers)
- Dual, Full Mesh, Replicated and custom topology.