

ATCA-S120

ATCA In-shelf, Shared Storage Blade

■ Embedded Computing for
Business-Critical Continuity™

PRELIMINARY DATA SHEET

The ATCA-S120 is a cost-effective, direct attached storage solution for in-shelf ATCA applications.

- ATCA storage blade with four (4) mid-size AMC slots
- Additional storage via RTM mounted HDDs
- Up to 876GB of storage on a single blade
- SAS and SATA media support
- Companion blade to the ATCA-S201
- Designed for NEBS/ETSI compliance

The Emerson Network Power ATCA-S120 is an AdvancedTCA® (ATCA®) carrier blade specifically designed to satisfy in-shelf, direct attached storage requirements. The ATCA-S120 can be configured with a host CPU blade as a direct attached JBOD (Just a Bunch Of Disks) solution or as additional storage capacity for a shared iSCSI storage network via external connection to the ATCA-S201 storage blade.

Storage media supported includes SAS and SATA based rotating media as well as SATA based solid state devices (SSD). The ATCA-S120 has four (4) AdvancedMC™ (AMC) sites for hot-swap storage as well as an option for two (2) direct mount storage devices on the companion rear transition module (RTM).

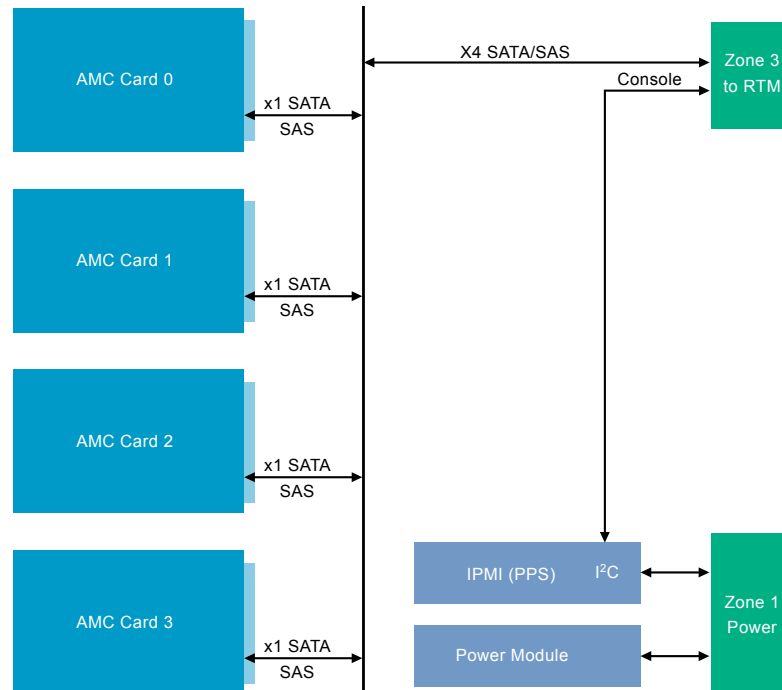


AdvancedTCA®

AdvancedMC™


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ATCA-S120 Block Diagram



Intelligent Platform Management Control

The PICMG® 3.0 AdvancedTCA standard specifies a low-level, environmental management architecture referred to as intelligent platform management interface (IPMI). The ATCA-S120 blade implements this functionality using an off-the-shelf hardware and software solution that monitors all local, blade-specific environmental information. Management access to this information is provided through the Service Availability Forum™ (SA Forum) defined HPI interface.

Hardware

AMC SITES

- Four (4) mid-size AMC slots (AMC.0, AMC.1, and AMC.3 compliant)
- Connectivity
 - ▲ Two (2) SAS (x2) to each AMC slot

EXTERNAL INTERFACES

- Front panel
 - ▲ Four (4) mid-size AMC slots
- Rear transition module
 - ▲ One (1) external SAS connector (SFF-8470)

POWER REQUIREMENTS

- Dual-redundant –48V rail
- Input range: 39.5 – 72V DC
- Typical power: 25 Watts (without AMC installed)

THERMAL CHARACTERISTICS

- Operating range: –5° C to 55° C

BLADE SIZE

- 8U form factor, 280 mm X 322 mm, single slot

RELEVANT STANDARDS

- AMC.0, AMC.1 and AMC.3

Ordering Information	
Part Number	Description
ATCA-S201	ATCA iSCSI blade with four (4) AMC sites
ATCA-S120	ATCA JBOD blade with four (4) AMC sites
RTM-ATCA-SXXX-0	RTM for ATCA-S120-S201, single connector, two (2) SFF storage bays
RTM-ATCA-SXXX-2	RTM for ATCA-S120-S201, single connector, two (2) SFF 146GB HDD installed
AMC-S402-M-146G	Storage AMC with 146GB HDD - 10K - SAS interface
CABLE-SAS-1M	SAS cable, 4X, SFF-8470, 1 meter
CABLE-SERIAL-S201	Serial cable for the ATCA-201, RJ-45 to DB-9
CABLE-Y-SAS SAS	"Y" CABLE, 4X, SFF-8470, 1 meter

SOLUTION SERVICES

Emerson Network Power provides a portfolio of solution services optimized to meet your needs throughout the product lifecycle. Design services help speed time-to-market. Deployment services include global 24x7 technical support. Renewal services enable product longevity and technology refresh.

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