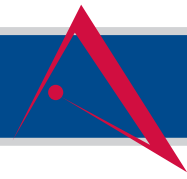


Caspian J1110 Edge Storage Blade



The Astute Networks Caspian J1110 Edge Storage Blade is an ATCA SAS JBOD that can act as a storage expansion blade for the Caspian R1100, or as additional storage for CPU blades with SAS Egress ports. With the addition of the E1112 Edge Storage RTM, the Caspian J1110 can provide 50% more capacity and connectivity to additional storage and CPU blades.



When connected to the Caspian R1100, the Caspian J1110 Edge Storage Blade effectively scales storage capacity via connections on the update channel. Additional scalability can be achieved using SAS cables to connect additional J1110 Edge Storage Blades in the chassis. Management and RAID functionality are all provided by the base Caspian R1100 for a seamlessly deployed and managed storage-on-demand solution.

As storage expansion for SAS-enabled CPU blades, the dual ported SAS architecture of the Caspian J1110 Edge Storage Blade enables fully redundant configurations by combining two CPU blades with two or four Caspian J1110 blades in a mirrored configuration. With this architecture, both CPU blades can access all of the drives on the two J1110 blades or the drives on the E1112 RTMs, which are also dual ported.

Whether the Caspian J1110 is used for RAID or JBOD expansion storage, it supports SAS, SATA or Solid State disk drives to meet a wide range of price/performance needs in Telecom (HLR/VLR, HSS, SMS/MMS), Media (IMS, IPTV), Surveillance and Military/Aerospace/Government (Imagery, C4I) applications.

Built on open standards, the Caspian J1110 Edge Storage Blade has been designed to expand the capacities of the R1100

Edge Storage Blade and provide the greatest flexibility for OEMs, NEPs and system integrators to develop and deploy edge storage architectures.

Benefits

- Seamless scalability for Caspian R1100 Edge Storage Blade
- Extend CPU Blade DAS storage beyond single RTM
- Dual-port architecture increases availability
- Improves storage density in ATCA chassis

Highlights

- Dual ported ATCA SAS JBOD
- Dual port access to four (4) SAS, SATA or Solid State disk drives
- Expands Caspian R1100 capacity via update channel
- Scalability and connectivity via Caspian E1112 Edge Storage RTM
- Same drive carriers as Caspian R1100 and E1112
- < 100W power dissipation
- ATCA PICMIG 3.0 form factor
- NEBS Level 3 compliant
- Designed to Mil-Spec standards



Scalable SAS JBOD

- Dual-ported ATCA SAS JBOD
- Dual-port hot swap small form factor drive bays
 - » J1110 – four (4)
 - » J1110 + E1112 – six (6)
- SAS, SATA and Solid State disk drive support

I/O Connectivity

Via Caspian R1100

- 2x SAS via update channel

Via Caspian E1112 RTM

- SAS Path A
 - » 2x SAS lanes in
 - » 2x SAS lanes out
- SAS Path B
 - » 2x SAS lanes in
 - » 2x SAS lanes out

Lights Out ATCA Management

Connected via Caspian R1100

- SNMP, CLI, SOAP API, IPMI

Standalone

- IPMI

Compatibility

Edge Storage Blades

- Caspian R1100 Edge Storage Blade
- Caspian E1112 Edge Storage RTM

Standalone

- CPU blades with SAS Egress ports

Open Standards

SAS

- SAS 2.0

Advanced TCA (PICMG)

- PICMG 3.0 R2

Environmental

Operating

- 5°C to 40°C (41°F to 104°F) 5-85% relative humidity, non-condensing
- Short-term -5°C to 55°C (23°F to 131°F) 5-90% relative humidity, non-condensing

Non-Operating

- -40°C to 70°C (-40°F to 158°F), up to 93% relative humidity, non-condensing

Measured Power

- < 100W typical

Weight

- 7.0 lbs. (3.2 kg) (with four disk drives)

Regulatory Compliance

- NEBS Level 3 Compliant
- Class A FCC
- RoHS 6/6
- WEEE
- Designed to Mil-Spec Standards

ISO Certification

- Astute Networks is an ISO 9001:2008 certified company.



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