

# Altos | S

## S140

For users looking to increase their storage capacity per node, the Altos S140 provides direct-attach storage at a fraction of the cost of high-end SAN or NAS solutions. Seamlessly integrating with Acer Altos servers, the Altos S140 DAS is a perfect companion that expands usable storage capacity without the need to develop complex SAN or NAS environments.

### Seamless connectivity

The Altos S140 is attached directly to either a SAS switch or a SAS RAID card with external SAS ports. This easy expansion allows the added RAID volumes to be managed locally from a single server, or from two servers that share access. Up to four\* S140 enclosures can cascade from a single SAS port, providing support for up to 96 hard drives per port\*. This yields extremely high storage capacities per controller at a fraction of the cost of many SAN or NAS architectures.

### Energy-saving technology

As with all Acer rack servers, the Altos S140 uses only 80 PLUS® certified power supplies. This DAS is equipped with up to two 460 W 80 PLUS® Platinum-certified power supplies, and because it provides additional storage without the need for an independent system, users with large data needs can enjoy immense cost savings; not just in hardware, but also over the lifetime of the system.

### High performance, high capacity

The Altos S140 supports high-performance SAS drives with spindle speeds up to 15 K rpm, or low-power high-capacity drives with up to 4 TB per drive — up to 48 TB in a single enclosure. In addition, the Altos S140 can support 3.5" and 2.5" hard disk and solid state drives in the same chassis so users can mix their RAID groups for optimum performance and benefit from SSD caching.

\* - requires LSI® MegaRAID® 9286 RAID controller.





<b>Hardware</b>	Hard disk / solid state drives	Up to 12 x 3.5" or 2.5" SAS/SATA enterprise-level drives, or up to 24 x 2.5" SAS/SATA enterprise-level drives		
	External SAS ports	Up to 6 x 6 Gb/s SAS ports		
<b>Sub-system availability</b>	Supported RAID controllers <sup>1</sup>	LSI® MegaRAID® 9260-16i8e LSI® MegaRAID® 9280-16i8e	LSI® MegaRAID® 9286/CV-8e LSI® MegaRAID® 9286-8e LSI® Synchro™ CS 9286-8e	
	Power supply	Up to 2 x 460 W 80 PLUS® platinum-level efficiency, easy-swap power supply units (hot-swappable)		
<b>Chassis</b>	System cooling	High-power system fans		
	Form factor	2U rack optimized		
	Dimensions	88 (H) x 438 (W) x 708 mm (D) (3.5 x 17.2 x 27.9 inches)		
<b>Warranty</b>	Weight	31.5 kg (69.5 lbs.) maximum (all component slots and sockets fully populated)		
		3-year standard warranty or choose extended warranties and services <sup>1</sup>		
<b>Regulatory compliance</b>	Emissions classification (EMC)	FCC (Class A)	CE (Class A)	BSMI (Class A)
	Industry standard compliance/safety	MET	CB	Nemko/GS

- SSD cache support requires a RAID controller with CacheCade or Nytro support.
- Extended warranty services may vary by country. Please contact your Acer authorized reseller for more information.

In a continuing effort to improve the quality of our products, information in this brochure is subject to change without notice. Images appearing are only representations of some of the configurations available for this model. Availability may vary depending on region. Acer disclaims any liability for errors and omissions in product descriptions.

© 2013. All rights reserved.

Acer and the Acer logo are registered trademarks of Acer Inc. Intel, Intel Core, Pentium and Xeon are trademarks of Intel Corporation in the U.S. and other countries. Other trademarks, registered trademarks and/or service marks, indicated or otherwise, are the properties of their respective owners.

**About Acer**

Established in 1976, Acer is an information and communication technology company dedicated to the research, design, marketing, sale and support of innovative products that enhance people's lives. Acer's green supply chain delivers environmentally friendly PCs, displays, projectors, servers, tablets and smartphones — tools our customers need to explore beyond limits and experience more. Ranked No. 3 for notebooks globally (IDC 2012), Acer employs 8,000 people, and 2012 revenues reached US\$14.7 billion. Please visit [www.acer.com](http://www.acer.com) for more information.

