Promise Atlas S8+
The perfect shared storage solution for small workgroups

Benefits

- Store, share, and collaborate with your team

- High performance for video and IT needs

- Massive capacity using 14TB 7200 rpm SATA HDDs

- Feature-rich data services and embedded software

- Enterprise-class 3-year warranty and optional 24/7 phone and web support

Highlights

- Shared storage over Thunderbolt™ 3 or 10GbE, and 1GbE

- 8 drives in a compact desktop system-up to a massive 112TB*

- Optional SSD module for caching

- Enterprise-class NAS Operating System and advanced data protection

- Virtualization Ready- VMware, Citrix and Hyper-V certified

- Enterprise-level Data services Enhanced data protection and security features

- Complete backup solution

Product Overview

The Promise Atlas is a compact, fully integrated, shared-storage appliance that is perfect for small workgroups. Offering a wide range of capacity choices and a rich feature set, the Atlas is an ideal solution for Rich Media and IT Professionals alike.

With eight 7200 RPM drives and a Quad-Core Intel processor, the Atlas S8+ is well equipped to handle multiple clients with demanding workloads over Thunderbolt™ 3 or 10GbE, while sustaining other clients over 1GbE.
Add your own SSD into the enclosure for even faster response with caching.

Promise integrated solutions include an enterprise-class 3-year warranty and optional 24/7 phone and web support.
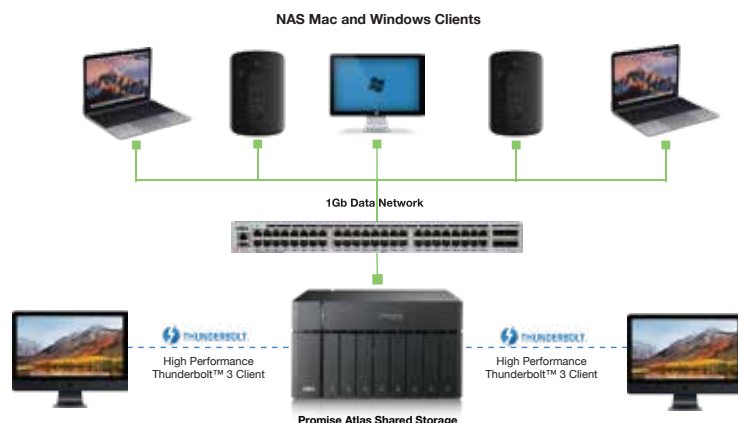
Use Cases

TB3 & 10GbE Clients

Local and Cloud Backup

Workgroup Shared Storage

NAS Mac and Windows Clients

1Gb Data Network

High Performance
Thunderbolt™ 3 Client

High Performance
Thunderbolt™ 3 Client

Promise Atlas Shared Storage

THUNDERBOLT™

System Models	Atlas S8+ Thunderbolt™ 3	Atlas S8+ 10GBaseT

Hardware

Interfaces & ports	2 x Thunderbolt™ 3 4 x 1Gb Ethernet 5 x USB3.0 1 x HDMI	2 x 10Gb/s Ethernet 4 x 1Gb Ethernet 5 x USB3.0 1 x HDMI
CPU	Intel® Core™ i5 2.7GHz Quad-Core (maximum 3.3GHz) Processor	
Memory	16GB DDR4 SODIMM, optional upgrades to 32GB	
Hard Drives	8 x SATA3 7200 rpm HDDs	
SSD	Optional SSD module	

System Information

Temperature Range	Operating : 5 to 40°C, Non-Operational: –10 to 50°C	
Humidity	Operating : 20% to 80% (Non-Condensing), Non-Operating : 10% to 90%	
Dimension (H x W x D)	177 x 310 x 235 mm (6.9" x 12" x 9.2")	

Warranty & Support

Warranty	Enterprise class warranty, up to 3 years with optional 24/7 phone/web support	

Software

General WG Backend Storage

- NAS application server (Gigabit/10GbE NIC)
- iSCSI storage (Gigabit/10GbE NIC)
- Direct attached storage with Thunderbolt™ 3 .0

FTP Server

- Supports data access from remote location via FTP
- FTP with SSL/ TLS (explicit) mode
- FXP supported
- FTP bandwidth control and connection control
- Passive FTP port range control

Backup Server

- 3rd party backup software support: Acronis True Image, CA Brightstor ARCserve Backup, EMC Retrospect, Symantec Backup Exec, LaCie Silverkeeper
- Snapshot replication
- Time Machine backup server
- External storage device backup
- Block-level real time remote replication supports instant, schedule backup management
- AMirror (Multi-side data synchronization)
- Cloud backup: Amazon S3
- Cloud synchronization: Google Drive, Windows OneDrive, Dropbox

NAS Discovery

- Easy and convenience device discovery utility and web browser applet included

File System

- ZFS , EXT2 , EXT3 , EXT4 , FAT, NTFS

Supported Operating System

- Windows, Mac OS X, Linux (2.6 or later) and UNIX

Networking

- VLAN
- Link aggregation (support 7 bonding modes)
- Multi-IP settings
- Gigabit Jumbo Frame

File Server

- File sharing across Windows/Mac/Linux/UNIX and centralized management

Connection

- IPv4, IPv6 and DDNS domain name registration
- Auto port forwarding

Disk Management

- Single disk, RAID0 , 1 , 5, 6, 10, 50, 60 and JBOD (Linear Disk Volume)
- Multiple volume and storage pool
- User defined storage (Generic, Media, Database)
- Online pool/volume Capacity Expansion
- Pool/ volume usage threshold notification
- Self-encrypting drives (SED) pool level protection
- Pool write cache
- Scrub pool
- Convert cloned volume
- Virtual volume (mount disk from remote iSCSI target)
- Set free and replace disk
- HDD S.M.A.R.T.
- Built-in iSCSI target and initiator service
- External device management
- Global and dedicate hot spare disk
- Zero time RAID creation and quick rebuilding
- Auto Tiering
- SSD read/write cache
- Deduplication (volume and LUN)
- Snapshot (folder and LUN)
- Compression (volume and LUN)
- Thin Provision for LUN
- SSD Trim

User Management

- Local / domain user and group management
- Local / domain application privilege
- User quota for local and domain user
- Home folder
- Supports Windows AD, Apple OD requires external Linux client to import Samba Schema
- Open LDAP requires the Samba Schema to be imported in order to use CIFS
- Trust domain and support up to 200,000 domain users

Folder Management

- Advance file ACL
- Windows ACL
- Hide shared folder on Windows network
- Unicode support
- WORM (Write Once Read Many protection)
- Folder usage threshold notification
- Folder quota

System Tool

- NTP time settings
- Notification: E-mail alert (SMTP authentication), Syslog, and SNMP
- System firmware upgrade
- Backup, restore, reset system settings
- Import system configuration
- Antivirus
- Smart fan
- IP access control
- Policy-based unauthorized IP blocking
- Secure remote login by SSH connection
- Connection list management
- USB, SNMP, UPS support
- Network recycle bin
- Import SSL certificate
- Real-time Resource (CPU, Memory, Storage, Disk, Process) / Hardware/ service/ network resource monitor

Power Management

- HDD hibernation
- Power schedule
- Wake on LAN
- UPS settings
- Recover from power outage

System Optimization Setting

- Service binding

Log

- System log
- System connection and data transfer log

Utility

- AFinder, Acronis True Image OEM (Windows backup utility)

Multi Browser Support

- Internet Explorer, Safari, Firefox, Google Chrome

File Manager

- File preview
- Embedded media player
- Filter capability
- Mount Cloud Drives Support (Google Drive, OneDrive, Dropbox)
- Mount ISO image support
- CIFS, FTP, SFTP and WebDAV client
- Share link
- Team folder sharing
- Publish to Facebook, Twitter, Weibo
- Media library
- Media streaming
- Online document preview and editing
- Transcoding (online/offline)
- Compression support

Service

- File service: CIFS, AFP, NFS, FTP, WebDAV
- Backup service: Rsync
- Discover service: Bonjour

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