Promise Atlas S8+
Shared storage for small workgroups

Benefits

- Shared storage for small workgroups

- High performance for working with compressed video

- Massive capacity using 14TB 7200 rpm SATA HDDs

- Feature rich data services and included software

- Enterprise class warranty, available up to 5 years*

Highlights

- NAS for small workgroups- over 40Gb/s Thunderbolt™ 3 or 10GBaseT, and 1G

- 8 drives in a compact desktop system- get 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
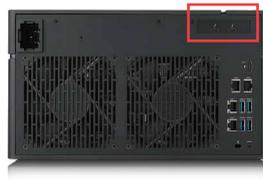
- Complete backup solution

Product Overview

Promise Atlas S8+ is the ideal shared storage for small groups working with hi-res video-editing and production workflows. Optional cards allow Thunderbolt3 or 10G connectivity based on your ecosystem with iSCSI support for Windows/Linux.

The speedy processor, fast interface, capacity options and simple GUI make it perfect to store, access, share and backup your content.
Setup is simple and is a breeze to manage, monitor with minimal maintenance. The Enterprise-class features included give you full flexibility and control of managing and protecting your content for maximum efficiency.

Promise provides fully integrated solutions with Enterprise-class 3-year warranty and 24/7 web/chat support*.
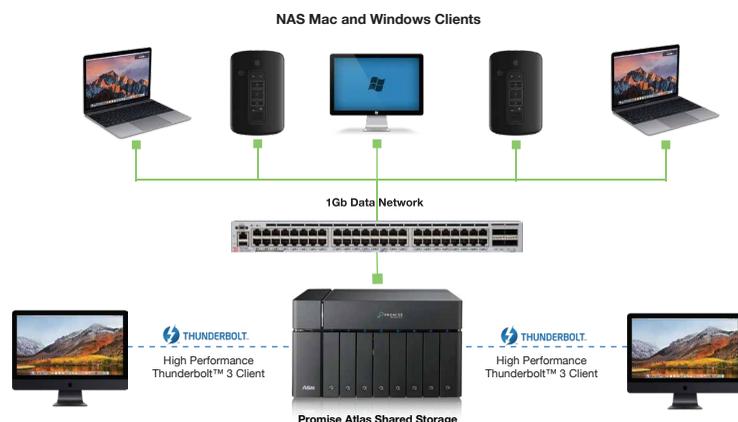
Use Cases

TB3 & 10G Clients

Backup Local and Cloud

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

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

Hardware

Interfaces & ports	2 x 40Gb/s 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 LFF SATA3 7200 rpm HDDs 14TB standard models (optional 8 & 10TB available)	
SSD	Optional SSD module	

System Information

Temperature Range	Operating : 0 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")	
EMC/Safety	FCC , CE, BSMI, VCCI, RCM, KCC	

Warranty & Support

Warranty	3 years limited warranty, optional extended warranty	

Software

General WG Backend Storage

- NAS application server (Gigabit/10GbE NIC)
- iSCSI storage (Gigabit/10GbE NIC)
- Direct attached storage with Thunderbolt 3.0 (40Gb/s)

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
- Windows AD and LDAP
- 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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