ioSafe
disaster proof hardware

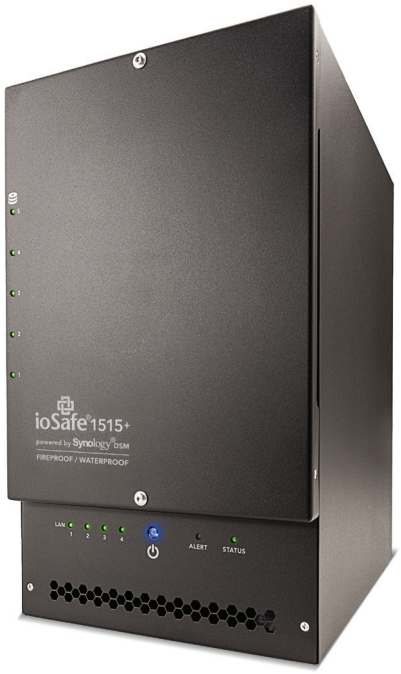
ioSafe 1515+

powered by Synology® DSM

+ DRS Data Recovery Service

The ioSafe 1515+ utilizes a patented 3 element disaster protection design – FloSafe Venting, DataCast Fire Protection and HydroSafe Water Protection. Featuring an all-new quad core CPU with an AES-NI hardware entrypction engine, providing outstanding performance and data encryption acceleration. With four built-in Gigabit LAN ports and scalability up to 15 drives (includes 2 expansion chassis), the ioSafe 1515+ is the cost-effective storage solution for centralizing backups, protecting critical assets, sharing files across different platforms and achieving instant disaster recovery.

- Primary data storage
- Backup data storage
- Local or remote backup to multiple storage devices
- Server – VPN, Mail, Web



DRS Data Recovery Service

For any reason, ioSafe will provide data recovery services for all loaded systems purchased through authorized resellers. Up to $5000 per TB (DRS Pro) will be provided towards data recovery with ioSafe or our preferred recovery partner, DriveSavers (our SOC 2 Type II Certified, Class 10 Forensic Recovery Partner). DRS level (Pro vs. Basic) varies with configuration. See website for details. Diskless systems do not include DRS.

Fire Protection

- Datacast fireproof insulation
- Protects data from fire loss up to 1550°F for 1/2 hour per ASTM E119

Water Protection

- Hydrosafe design protects data from flood loss up to 10 ft for 72 hours

Theft Protection

- Optional Floor Mount Kit and Rack Mount Kits available.
- Bolt down, padlockable, block all physical access to ports. Kensington slot.

Virtualization Certified

- Vmware – vSphere 5 & VAAI
- Citrix
- Hyper-V
- Enables virtual machine migration
- Advanced LUN support

Feature-Rich Applications

- Windows ACL & LDAP support
- Printer sharing
- Video surveillance
- VPN Server
- Mail Server
- Web Server

Resilient & Reliable

- Four Gigabit LAN ports for redundancy
- Hot swappable drives minimizes downtime
- High Availability configuration ability

Server Applications

- Four Gigabit LAN ports for redundancy
- Hot swappable drives minimizes downtime
- High Availability configuration ability
- High Speed data encryption

Disaster Protection Technology

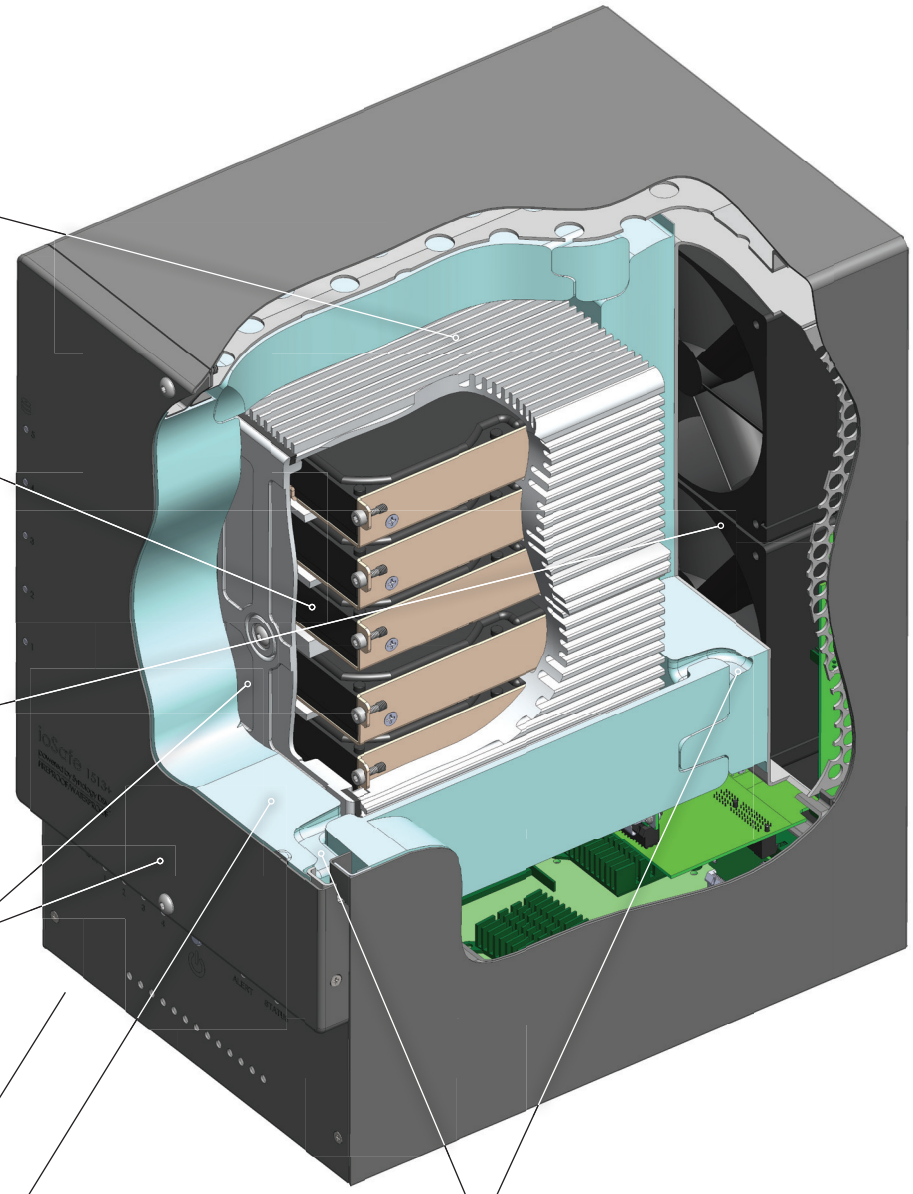
HydroSafe
Drives sealed to protect against liquid damage yet conduct waste heat through finned walls.

RAID
Redudant drives guard against individual drive failure. 5 drives standard. Expandable to 15 drives with optional expansion bay.

Dual Fans
Hot swappable, field replaceable high flow fans pull air through FloSafe Vents and then across fins of inner HydroSafe chamber.

Outer Fireproof Door
Inner Waterproof Door
Drives are hot swappable and replaced by removing these two layers of protection.

All Steel Construction
All outer layers are made from steel to retain integrity during extreme fire conditions.



powered by Synology® DSM

NAS - Private Cloud
Disaster Recovery In-a-box

Powered by the Synology DSM platform, all data accessed through WAN or LAN from virutally any device. 100% Privacy and Control combined with best of class disaster protection. Dramatically improves recovery times for up to 90TB using 6TB drives.

DataCast Fireproof Insulation
Non-toxic and waterbased insulation. Chemically bound water molecules, which never "dry out" during normal use, convert to steam during a fire. Endothermic cooling action of the steam work to keep the inner chamber cool despite outer temperatures over 1500°F. Like a pot of water boiling on the stove, as long as water is present, the pot doesn't melt from the fire as it's limited to the boiling point of water.

FloSafe Vents
Engineering vents are specifically sized to provide sufficient cooling during normal operation. A labyrinth design prohibits radiant fire entergy from reaching the internal drive with a direct line of sight. During a fire, steam from the DataCast is forced out the vents to effectively block all damaging heat as the net flow of gas is always outward. Elegant and reliable, protection is accomplished with no moving parts, actuators or electrical power.

Technical Specifications

Hardware

Fire Protection	Protects data from fire. Up to 1550°F, 30 minutes per ASTM E-119
Flood Protection	Protects data from flood. Fully submersed, fresh or salt water, 10 foot depth, 72 hours
Theft Protection	Kensington® Security Slot. Optional Floor Mount / Padlock Kit
CPU	Intel Atom Quad Core 2.4GHz
Hardware Encryption Engine	Yes (AES-NI)
Floating Point	Yes
RAM Size	DDR3 2 GB (Expandable up to 6 GB)
Internal HDD/SSD	3.5" or 2.5" SATA(II) X 5 (hard drives not included)
Max Internal Capacity	30TB (6TB x 5). Up to 90TB (6TB x 15) using two ioSafe X513 Expansion Bays (optional)
Hot Swappable HDD	Yes
External Ports	USB 3.0 ports X 4, eSATA X 2
Size (HxWxD)	157 x 248 x 233 mm / 6.18" x 9.76" x 9.17"
Weight	4.17 kg / 9.2 lbs (without hard drives)
LAN	Gigabit X 4
Wake on LAN/WAN	Yes
Wireless Support	Yes (wireless dongles not included)
AC Input Power Voltage	100V to 240V
Power Frequency	50 Hz to 60 Hz, Single Phase
Operating Temperature	5°C to 35°C (40°F to 95°F)
Storage Temperature	-20°C to 60°C (-5°F to 140°F)
Relative Humidity	5% to 95% RH

General

Network Protocals	CIFS, AFP, NFS, FTP, WebDAV, CalDAV, iSCSI, Telnet, SSH, SNMP, VPN (PPTP, OpenVPNTM, L2TP)
File System	Internal: EXT4 External: EXT4, EXT3, FAT, NTFS, HFS+
Storage Management	Max File System Size: 108 TB, Max Internal Volume #: 512, Max iSCSI Target #: 32, Max iSCSI LUN#: 256; Raid Clone/Snapshot support; Supported RAID Type: Synology Hybrid RAID, Basic, JBOD, RAID 0, RAID 1, RAID 5, RAID 6, RAID 10; Synology Expansion Unit Support : DX513, DX213
File Sharing Capability	Max User Account: 2048, Max Group: 256, Max Shared Folder: 512, Max Concurrent CIFS/AFP/FTP Connections: 512
Privilege	Windows Access Control List (ACL)
Directory Service	Windows AD Integration: Domain Users login via Samba (CIFS)/AFP/FTP/File Station, LDAP Integration
Virtualization	VMware vSphere 5, Microsoft Hyper-V, Citrix Ready
Security	FTP over SSL/TLS, IP Auto-Block, Firewall, Encrypted Network Backup over Rsync, HTTPS Connection
Utilities	Synology Assistant, Cloud Station, Evidence Integrity Authenticator
Supported Clients	Windows XP onward, Mac OS X 10.5 onward, Ubuntu 9.04 onward
Supported Browsers	Chrome®, Firefox® Internet Explorer®: 8 or onward, Safari® 5 or onward, Safari (iOS 5 or later on iPad®), Chrome (AndroidTM 4.0 on tablets)
Language	English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svensk, Nederlands, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český,