

DATA SHEET

# UltraShareNAS<sup>®</sup> 8000 TG

## 10G NAS Storage



### High Performance Expandable NAS Storage Solution

The UltraShare/NAS sets a new benchmark for high-performance network-attached shared storage. The UltraShare/NAS system combines high data throughput, expandability, resiliency and versatility. It offers an intuitive, easy to use graphical interface all at a price point that is unmatched in the industry. In any type of environment, the UltraShare/NAS can deliver the performance to suit your needs at a price that will fit your budget. UltraShare/NAS is available with single 10GbE data portals. The 10GbE CX4 connector can be combined to provide high-speed, load balancing or fault tolerance. The UltraShare/NAS provides the highest data I/O performance of any NAS system in its class.

#### Application & Capability

The UltraShare NAS can be used in various type of environments. It is suitable for high-demand, high availability, data transfer environment such as ISP to provide fast FTP access to website content, or file sharing. It may also be used for video archive and retrieval for IP surveillance cameras. From small local workgroups, SMB networks all the way up to large corporate IT infrastructures, UltraShare/NAS features the connectivity capabilities to seamlessly and effectively integrate into virtually any kind of networking environment. The UltraShare/NAS Share supports Apple, UNIX and/or Windows clients and also allow remote access via FTP. The UltraShare/NAS also synchronize to virtually any type of network directory services including ADS/PDC, NIS and LDAP. However your network works, UltraShare/NAS can adapt.

#### Features & Benefits

UltraShare/NAS provides a high degree of security and resiliency. Data storage volumes can be individually protected via programmable RAID controllers (up to RAID-6). All data drives are contained within hot-swappable canisters and "hot spares" are supported. Dual, redundant, 380W 80- Plus high efficiency green power supplies provide secure, reliable power to ensure un-interrupted system operation. No matter what the requirement, big or small, if you need shared storage UltraShare/NAS is the perfect solution. The combination of high-performance, advanced connectivity, expandability and data security mean that UltraShare/NAS can deliver your data how you want it, when you want it and where you want it. Moreover, the UltraShare can do all of this and still conform to even the most "confining" of budgets.

#### Expansion Capability

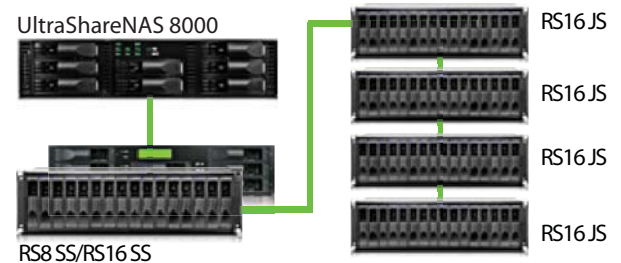
The UltraShare/NAS incorporates an internal 8-drive RAID array for up to 16TB of data storage. However, the storage capabilities don't stop there. Unlike many NAS systems, UltraShare/NAS can easily grow far beyond the "limitations" of its internal drive capacity. Each UltraShare/NAS system can also be expanded with additional RAID protected data storage of up to 176TB (Raw) with a purchase of the UltraShare/NAS Expansion upgrade license (SW-NAS8000-XPUG). The UltraShare/NAS expansion upgrade license allows the UltraShare/NAS gateway to connect up to 5 3U(16 Bay) Rackmount storage devices as one single system without compromising the performance of data transfer. Please see diagram on the right:

#### Feature Highlights

- Intel IOP348 I/O processor with SAS controller
- Enterprise-Class Linux-based NAS & 1 x SATA Disc-On-Module (DOM)
- Supports SATA 1.0/2.0/3.0 and SAS hard disks
- Web Storage Management makes IT stuff's work easier
- Built in remote access for event log & e-mail notification
- Supports RAID 0, 1, 0+1, 3, 5, 50, 55, 6, 60, 6S
- Supports up to 80 disks storage expansion via SFF 8088 Mini-SAS
- Supports multiple RAID volumes, on-line volume expansion & migration
- Dual failover Ethernet ports & iSCSI Target Capable
- Dual hot-swappable redundant 80 PLUS power supplies



NAS STORAGE EXPANSION



## Service and Support

The UltraShareNAS 8000 support options offer flexibility and peace of mind. Customers count on Enhance Technology's enterprise-class support and world wide local based service center to keep information available and operations running. The UltraShareNAS 8000 includes a standard 2-year warranty with a 30-day money back guarantee<sup>(1)</sup>. Customers can also choose to upgrade to a premium level of service which includes an emergency loaner unit for populated solutions, and optional 8x5 next-business-day on-site responses.

(1) Conditions, terms and restocking fee may apply for unit return and unit exchange, please contact your account manager for detail information.

## Specifications

**Form Factor:** 2U 8 disks low profile 19" rackmount

### System Components:

- Intel IOP348 I/O processor with SAS controller
- Xeon CPU LGA1366 2.0GHz Nahelm
- DDR3 2GB memory
- Redundant 380W 80+ power supply
- Two (2) high-speed cooling fans
- Eight (8) SATA-II HDDs (2TB/1.5TB)

### RAID Supported:

- Hardware RAID 5 parity computation
- RAID Level 0, 1, 0+1, 3, 5, 50, 5S, 6, 60, 6S
- Multiple RAID array and volumes
- Global hot spare (s)

### Interface:

- Host Interface: 10G NAS (CX4)
- Expansion Port: SAS SFF8088 expansion port
- Dual failover Ethernet ports
- iSCSI Target Capable

### Drive Interface:

- 3.5" SATA II 7200 RPM HDDs
- 3.5" SAS 15K RPM HDDs

### Storage Capacity:

- Scalable up to 16TB raw (8 x 2TB) per system
- Max. Capacity after Expansion: Up to 176TB raw storage capacity  
(\*require using (1) RS16 SS with (4) RS16 JS)

### Management:

- Cross-platform user-friendly web GUI access via an RJ45 Ethernet port

### Operating System:

- Enterprise-Class Linux-based NAS
- 1 x SATA Disc-On-Module (DOM)

### Physical & Environment:

- Operating Temperature 10°C ~ 35°C
- Non-Operating Temperature -1 ~ 50°C
- Relative Humidity 5% to 95% non-condensing

### Power Supply:

- Dual redundant hot-swappable power
- AC input: 90 ~ 264 VAC, 47Hz ~ 63Hz
- Output: 380W

### Cooling:

- Two (2) system cooling fans

**Dimension (H x W x D):** 3.5 " x 19" x 21.5"

**Weight (w/o disks):** 70Lbs

**Safety Regulations:** CE, FCC, RoHS

**Warranty :** 2 years limited warranty



The screenshot shows the UltraShareNAS Web Management GUI. The interface includes a navigation menu on the left and a main content area with various configuration options and status indicators.

### Cross-platform Web Management

The user-friendly Web Graphical User Interface(GUI) allows users to deploy and manage the disk array from virtually anywhere at anytime with simple internet access, no additional management software ever needed.

## Available Models



Part No.	UltraShareNAS-8000 TG-F12T	UltraShareNAS-8000 TG-F16T
<b>Storage Capacity</b>	12TB Fully Populated <sup>(1)</sup>	16TB Fully Populated <sup>(1)</sup>
<b>HDDs</b>	8 x 1.5TB SATA HDD	8 x 2TB SATA HDD
<b>NAS Gateway OS License</b>	Included	Included
<b>Storage Expansion</b>	Yes, Up to 172TB <sup>(2)</sup>	Yes, Up to 176TB <sup>(2)</sup>
<b>Optional Items</b>	4G memory upgrade NAS Storage Expansion Systems NAS Storage Expansion License SMC8926EM10/100/1000 Switch	4G memory upgrade NAS Storage Expansion Systems NAS Storage Expansion License SMC8926EM10/100/1000 Switch

(1) Raw storage capacity under RAID-0 configuration, formatted capacity will vary.

(2) Require using one RS16 SS with four RS16 JS SAS Storage systems

### Distributed by:

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