

DATA SHEET

# UltraShareNAS<sup>®</sup> 8000 P4 Quad iSCSI 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 either Quad GbE or single 10GbE data portals. The Quad GbE ports 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 UltraShareNAS 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

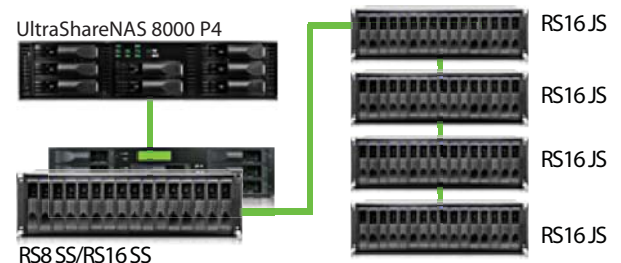
The UltraShare/NAS incorporates an internal 8-drive RAID array for up to 16TB of data storage. However, the storage capabilities don't stop there. Unlike many NAS systems, UltraShare/NAS can easily grow far beyond the "limitations" of its internal drive capacity. Each UltraShare/NAS system can also be 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 earlier
- Built in remote access for event log & e-mail notification
- Supports RAID 0, 1, 0+1, 3, 5, 5S, 6, 60, 6S
- Supports up to 80 disks storage expansion via SFF8088 Mini-SAS
- Supports mutiple 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 P4 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 P4 includes a standard 2-year warranty with a 30-day money back guarantee. 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.

## 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: Quad GbE iSCSI
- Expansion Port: SAS SFF8088 expansion port
- Dual failover Ethernet ports
- iSCSI Target Capable

### Drive Interface:

- 3.5" SATA II 72000 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, UL, RoHS

**Warranty :** 2 years limited warranty



### 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 P4-F12T   | UltraShareNAS-8000 P4-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<br>NAS Storage Expansion Systems<br>NAS Storage Expansion License<br>SMC8926EM10/100/1000 Switch | 4G memory upgrade<br>NAS Storage Expansion Systems<br>NAS Storage Expansion License<br>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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