



RPC16 NAS

Rugged All Flash Storage Array



The RPC16 NAS is a rugged, resilient all Flash storage array designed for high performance, high-capacity tactical edge data capture applications. Its rapidly removable SSD magazines enable a full magazine to be swapped out for a fresh magazine to store and move data from emerging edge environments quickly and without any tools. The RPC16 targets Mobile (Air-Sea-Ground) and Fixed Expeditionary environments with its MIL-STD-810H compliant design.

The RPC16 NAS houses two removable magazines with up to 8 SSDs each which can be quickly removed to off load data. The magazines can then be moved to separate locations and plugged into another RPC16 on any other network for further analysis. When used in conjunction with a network switch, the RPC16 can communicate with any other network enabled device to store and retrieve data. This eliminates the need for separate direct attached storage devices for each computer or workstation in a network centric environment.

Data security is a key component to any edge storage system and the RPC16 NAS addresses this with optional support for AES-256 hardware and file level encryption, FIPS140-2 validation and hardware and/or software triggered Secure Erase and Data Elimination.

The RPC16 NAS allows networked devices to share and store data using all common network services: NFS (V3/V4), SMB/CIFS, FTP, TFTP, and RSYNC. It supports a variety of network based file systems that allow multiple hosts to share and store information. Network connections are provided through load balanced Ethernet ports, available from Gigabit to 100 Gigabit, and it can support multiple optical (or copper) Ethernet ports for low EMI susceptibility.

FEATURES

- Two each 8 drive (16 drives total) Removable Storage Magazines
- Two GbE and two copper 10GbE networks ports standard. Copper and optical interfaces up to 100GbE available
- TCG Compliant AES-256 and FIPS 140-2 Validated Encryption
- Secure Erase/Data Elimination
- Enclosed and Electrically Isolated Drive Magazines
- Magazines Rated at 10K Mating Cycles
- Operational Altitude to 40,000 ft
- Operational Temperature 0° to 70°C
- 40 to 440Hz, 90/240 VAC Input Operation
- MIL-STD-810H Compliant
- Management GUI
- Made in USA

We Put the State of the Art to Worksm



PHOENIX RPC16 2U Storage Arrays

TECHNICAL SPECIFICATIONS

HOST INTERFACES

- Two 1Gb Ethernet (GUI & IPMI)
- Two 10Gb Ethernet
- Two 40Gb Ethernet (Optional)
- Two 100Gb Ethernet (Optional)

ELECTRICAL SPECIFICATIONS

AC Input Power	90 to 264 VAC 40 to 440HZ
Input Current	3.3A (115 VAC), 1.7A (230 VAC)

NAS FEATURES

- Enhanced Graphical User Interface
- Network Services: NFS (V3/V4), SMB/CIFS, FTP, TFTP, RSYNC, SSH
- Monitoring: SMART, SNMP, Email (Health/Perf.)
- File Systems: EXT3, EXT4, XFS, JFS
- RAID Levels: RAID 0 (Stripe), RAID 1 (Mirror), RAID 5 (Parity), RAID 6 (Dual Parity), RAID 10 (Striped Mirror)

PHYSICAL

Height:	3.44" - 2U
Weight	<39 lbs (unpopulated)
Width:	17.55" body
Depth:	19.52" Rack mount flange to chassis rear panel

ENVIRONMENTAL

Shock:	MIL-STD-810H 516.7, 20G/11ms, all 6 axis.
Vibration:	MIL-STD-810H 514.6C-1, Cat. 4.

ENVIRONMENTAL

Temperature/Humidity
0 to 70°C (operational)
-40 to 85°C (non-operational)
5% to 95% non-condensing

Altitude

0 to 40,000 ft (operational, non-operational)

COMPLIANCE

MIL-STD-461: RS103, RE102, CE102, CS114
FCC 15.109:2006 Class A (Radiated Emissions)
FCC 15.107:2006 Class A (Conducted Emissions)
EU EMC and Safety

SECURITY OPTIONS

- AES-256 Encryption (Hardware and File Level)
- FIPS140-2
- Secure Erase Data Elimination

Phoenix International

Phoenix International is an AS9100 Rev D/ISO 9001:2015 certified, Small Business manufacturer of Rugged COTS data storage products. Phoenix developed state of the art enabling technology provides users with mass storage products that ensure the highest performance storage and data network systems. These systems range in size and application from multi-terabyte Fibre Channel RAID, NAS and Storage Area Network (SAN) configurations to conduction cooled plug-in VPX/VME solid state (flash) storage modules.



Removable 8 Drive Magazine



Phoenix International is AS9100 Rev D/ISO 9001:2015 Certified



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