

RPC6 NAS

RUGGED NETWORK ATTACHED STORAGE



The RPC6 NAS is a rugged, resilient storage array designed for high performance, high-capacity tactical edge data capture applications. Its rapidly removable 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 RPC6 NAS houses a removable magazine with up to 6 SSDs or 3.5" HDDs each which can be quickly removed to off load data. The magazines can then be moved to separate locations and plugged into another RPC6 on any other network for further analysis.

Data security is a key component to any edge storage system and the RPC 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 RPC6 NAS allows networked devices to share and store data using all common network services: NFS (V3/V4), SMB/CIFS, FTP, TFTP, and RSYNC. Network connections are provided through load balanced Ethernet ports, available from Gigabit to 100 Gigabit, and management is via a web-based GUI or CLI.

Phoenix International's RPC6 targets Mobile (Air-Sea-Ground) and Fixed Expeditionary environments with its MIL-STD-810G certified design. It addresses the demanding requirements of data capture in any challenging environment.

FEATURES

- Reliable, High-Speed Data Capture
- Highly Available and Reliable Architecture
- Quickly Upload Data with Removable Drive Canister
- Up to 132TB Storage Capacity
- RAID Levels: RAID 0 (Stripe), RAID 1 (Mirror), RAID 5 (Parity), RAID 6 (Dual-Parity)
- Two GbE and two copper 10GbE networks ports standard. Copper and optical interfaces up to 100GbE available
- TCG Compliant and FIPS 140-2 Validated Encryption
- Secure Erase/Data Elimination
- Enclosed and Electrically Isolated Drive Magazines
- RAID Levels: RAID 0 (Stripe), RAID 1 (Mirror), RAID 5 (Parity) RAID 6 (Dual-parity)
- Operational Temperature 0° to 70°C
- MIL-STD-810G Certified
- All Steel Construction
- Optional ruggedized case for transport or storage
- Management GUI
- Made in USA



RPC6 RUGGED NAS

TECHNICAL SPECIFICATIONS

NETWORK INTERFACE

- Two 1Gb Ethernet (1x IPMI, 1x Management)
- Two 10Gb Ethernet
- Copper and optical interfaces up to 100GbE available

MECHANICAL SPECIFICATIONS

- Width: 9"
- Height: 5.25"
- Depth: 21"
- Weight:
 - DC variant: 21 lbs (no devices installed)
 - AC variant: 19 lbs (no devices installed)

ELECTRICAL SPECIFICATIONS

Input, DC variant:

- Line voltage: 9-18VDC (12VDC nominal)

Input, AC variant:

- Line voltage: 110-240VAC
- Line Frequency: 50-60Hz

Power Consumption:

- 225W Operational, 320 W Max

ENVIRONMENTAL SPECIFICATIONS

Temperature:

- 0 C to 50 C Operating
- -20 C to 70 C Non-operating

Humidity:

- 20% to 80% Non-condensing

NAS FEATURES

- Enhanced Graphical User Interface
- Network Services: NFS (V3/V4), SBM/CIFS, FTP, TFTP, RSYNC, SSH
- File Systems: EXT3, EXT4, XFS, JFS, BTRFS
- RAID Levels: RAID 0 (Stripe), RAID 1 (Mirror), RAID 5 (Parity), RAID 6 (Dual-parity)
- Secure Encrypting Drive Support

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 data storage and network attached 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 solid state (flash) storage modules.



Rugged Removable Magazine



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

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