

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

**Artisan Technology Group**
(217) 352-9330 | sales@artisantg.com | artisantg.com

**Full-service, independent repair center**
with experienced engineers and technicians on staff.

**We buy your excess, underutilized, and idle equipment**
along with credit for buybacks and trade-ins.

**Custom engineering**
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

**Expert team | Trust guarantee | 100% satisfaction**

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Phoenix International RPC24* at our website: *Click HERE*

PHOENIX INTERNATIONAL

# RPC24

## Ruggedized 2U Storage Arrays



Phoenix International's RPC24 is a rugged high performance Fibre/SAS/iSCSI Host Channel, SAS Solid State/Hard Disk Drive RAID Storage Array that delivers a level of operational environmental capability not previously available in COTS Data Storage Systems.

The RPC24 features two 12 drive removable magazines housed in a rugged 2U (3.5") panel height enclosure providing 16Gb FC, 12Gb SAS, or 10GigE iSCSI host interfaces to high performance SAS SSDs and HDDs.

Incorporating aluminum and steel in its rugged construction, the RPC24 weighs only 51 lbs with a full complement of 24 SSDs, and is less than 20" deep.

The RPC24 supports TCG compliant and FIPS 140-2 certified encryption and is certified to military specifications MIL-STD-810G and MIL-STD-461E.

The unique design of the RPC24's rugged, cableless, passive midplane-based, high density 2U chassis provides an increased environmental operational envelope (0° to +70°C, 45,000 ft altitude with SSDs), redundant, hot-swap components and massive storage capacity, while assuring the highest level of data availability.

### FEATURES

- Single or Dual Active, Redundant RAID Controllers
- MIL-STD-810G, and MIL-STD-461E Certified
- Two each 12 drive (24 drives total) Removable Storage Magazines
- Eight 16Gb/sec Fibre Channel, 12Gb SAS, or 10GigE iSCSI ports
- TCG Compliant and FIPS 140-2 Certified Encryption
- Secure Erase
- Sustained Read/Write Data Rates to 6400MB/s and 5300MB/s respectively
- Battery Free Cache Backup
- Enclosed and Electrically Isolated Drive Magazines
- Magazines Rated at 10K Mating Cycles
- Operational Altitude to 45,000 ft
- Operational Temperature 0° to 70°C
- 40 to 440Hz, 90/240 VAC Input Operation
- Redundant, Hot-Swap Components/FRUs
- Management GUI and Failover Software
- Made in USA

*We Put the State of the Art to Work* sm

# PHOENIX RPC24 SAS 2U Storage Arrays

## TECHNICAL SPECIFICATIONS

### HOST INTERFACES

3000 Series:
4 Host Ports (max)
16Gb Fibre Channel, 10GigE iSCSI,12Gb SAS

4000 Series:
8 Host Ports (max)
16Gb Fibre Channel, 10GigE iSCSI,12Gb SAS

### PERFORMANCE

3000 Series:
3300MB/sec Reads, 2400MB/sec Writes

4000 Series:
6400MB/sec Reads, 5300MB/sec Writes

### RAID OPERATION

| | |
|---|---|
| RAID Levels * (*Configuration Dependant) | 0, 1, 5, 6, 10, 50, 60, NRAID and J-BOD |
| Cache | Up to 4GB per controller |
| Cache Backup | Yes, battery free |
| Virtual Disks per system | 32 |
| Volumes per virtual disk | 256 |

### MANAGEMENT

| | |
|---|---|
| Consoles | WEB GUI, CLI, Array Administrator |
| Interface Types | RS232, 10/100 Ethernet |
| Protocol Support | SNMP, SSL, SSH, SMTP |
| Management Software | RAIDar, SMC |

### ELECTRICAL

| | |
|---|---|
| AC Input Power | 90 to 264 VAC<br>40 to 440HZ |
| Input Current | 3.3A (115 VAC),<br>1.7A (230 VAC) |

### DATA AT REST SECURITY

AES 256 Encryption
TCG Compliant
FIPS 140-2 Certified
Instant Secure Erase



Removable 12 Drive Magazine

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

### 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 & Vibration

| | |
|---|---|
| Operating Shock | 20g, 11 msec, sawtooth |
| Nonoperating Shock | 300g, 2 msec |
| Operating Vibration | 2.11g RMS @ 15-2000Hz |
| Nonoperating Vibration | 7.87g RMS @ 15-2000Hz |

### ENVIRONMENTAL (Solid State Disks)

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

Altitude
0 to 45,000 ft (operational, non-operational)

### ENVIRONMENTAL (Rotating Disks)

Temperature/Humidity
5 to 55°C (operational)
-40 to 85°C (non-operational)
5% to 95% non-condensing

Altitude
0 to 10,000 ft (operational)
0 to 40,000 ft (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

### Phoenix International

Phoenix International is an AS9100 Rev D/ISO 9001:2015 certified, Service Disabled Veteran Owned Small Business (SDVOSB) 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 VME/VPX solid state (flash) storage modules.

PHOENIX INTERNATIONAL

Phoenix International Systems, Inc.
812 W. Southern Ave., Orange, CA 92865-3224
(714) 283-4800 Fax (714) 283-1169
info@phenxint.com www.phenxint.com

**Artisan Technology Group** is an independent supplier of quality pre-owned equipment

## Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

## We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

## Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP