



# Mid range hybrid storage optimized for intensive streaming workloads

## RDX-DC102

### Product Highlights

- 6U mid-range storage solution
- Optimized for streaming workloads
- Unified storage with NAS and SAN protocols
- Performance penalty in degraded mode less than 10%
- Ultra fast software RAID engine
- Raw capacity: up to 1.2PB

### Use Cases



Post production collaborative environment



Video surveillance for 1000 Full HD cams



Large enterprise (backups, file shares, BigData)

## The best choice for streaming data processing

The core storage feature is RAID engine with the unique math algorithms. It was originally developed to process massive sequential workloads. RAID engine significantly boosts performance of HDDs even in low-end storage systems.

## The lowest impact of hardware failures

Driven by innovative RAID technologies, RAIDIX storage demonstrates minimum performance penalty when a drive goes out. It helps to maintain smooth application workflow and data integrity in case of emergency.

System has dual controller configuration to eliminate single point of failure and prevent impact from the most common hardware failures. Doubling hardware platform is the first point to reach an enterprise-grade level of data protection.

## Software Features

Speed Acceleration	Proprietary RAID engine Advanced Reconstruction SSD caching (read/write)
Data Availability	Fast RAID rebuild Dual Controller Mode Partial Reconstruction SparePool
Data Protection	Silent Data Corruption Protection Remote Volume Replication
RAID Levels	RAID 0/ 5/ 6/ 7.3/ 10 /N+M
File Protocols	SMB v2/v3, NFS v3/v4, AFP, FTP
Block Protocols	Fibre Channel 8Gb/16Gb/32Gb InfiniBand SRP 20Gb/40Gb/56Gb/100Gb iSCSI 10Gb/25Gb/40Gb/100Gb SAS 12Gb

Compatible Clustered File Systems	StorNext, Lustre, Hyper FS, Tiger FS, BeeGFS, GPFS, Xsan
Heterogeneous Infrastructure Support	LUN access via any supported SAN interface
Virtualization Platforms Support	VMware ESX KVM (Kernel-based Virtual Machine) RHEV (Red Hat Enterprise Virtualization) Microsoft Hyper-V Server, XenServer, Proxmox VE

## Technical Specification

Server Type	2 x 1U Dual Socket Storage Server 4U 60 Bay JBOD
CPU	Dual Socket Intel XEON 4110 8core 2.1GHz 11MB CPU
Operating System	RAIDIX 4.X
Memory	128GB RAM
Storage	30 x 12TB 7200 RPM SAS HDD
Power Supply	700W/750W Redundant Power Supplies with PMBus
Options	Additional Storage: 12TB HDD Network Interface: 10Gb Ethernet, 10GBE SVR 2PT SFP+

## ASA Computers

ASA Computers offers a variety of engineering capabilities and has delivered products for the Datacenter industry that include rack mounted servers, fully rack integrated large systems and industrial computing systems. Company provides a systems level perspective to solve complex data center problems using innovative design and latest engineering techniques.

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## RAIDIX

RAIDIX is an innovative software company developing professional storage solutions. Company creates products for storage environments where applications and services demand high speed access and operate with massive data volumes.

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