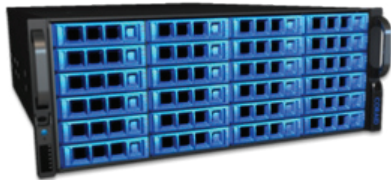


EtherFlash® SSD Storage

Leading Price-Performance for Flash Storage

Solution Brief



Key Features and Benefits

- Nearly 200,000 IOPS from a single storage appliance
- Scale to over 3 million IOPS and 200 TB in a single rack
- Starts at under \$10 GB
- Dual 10 Gigabit Ethernet SAN port options
- Ideal platform for applications that require rapid access to real-time data
- Includes CorOS distributed operating system
- User can mix SSD, SAS and SATA disks within the appliance to match LUN capacity and performance to meet any application requirement
- Supports hot swap disks, hot swap fans and hot swap redundant power supplies

Coraid EtherFlash is a storage solution that combines high performance flash drives with the massively parallel scale out architecture of Coraid EtherDrive™ to provide leading price-performance for I/O intensive applications.

Databases and virtual desktops can require a very high number of IOPS, and meeting those requirements with spinning media (SAS, SATA) is often prohibitively expensive. A typical 15K SAS drive can provide approximately 200 IOPS while a flash solid-state drive (SSD) is orders of magnitude faster. SSD deliver outstanding performance, greater reliability, and significant power savings while providing the industry's highest IOPS per dollar for storage area networks.

Flash Performance

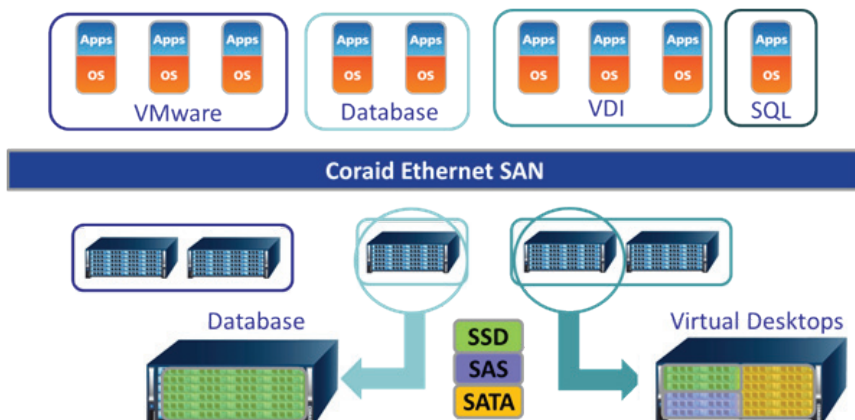
EtherFlash combines SSD technology with highly scalable, low-latency storage access, making it the ideal platform for applications that require rapid access to real-time data in financial services, analytics, databases and data warehouses, high

performance computing, web 2.0, and cloud computing.

EtherFlash is optimized for flash performance, enabling nearly 200,000 IOPS in a single storage appliance. By leveraging off-the-shelf components, the EtherFlash Solution starts at less than half the cost of proprietary hardware and can scale to over 3 million IOPS and 200 TB in a single rack.

Power of Ethernet

Leveraging the massively parallel power of Ethernet with support for 10GbE, EtherFlash delivers faster performance than high-end Fibre Channel arrays, at a fraction of the cost. The scale out architecture avoids the controller bottlenecks of scale up systems, allowing flash performance to scale linearly with business demand.



Functional Specifications	
Overview	EtherFlash is a solution bundle that combines high performance flash drives with the scale out architecture of Coraid EtherDrive SRX storage arrays to provide leading price-performance for I/O intensive applications.
Interface Options	EtherFlash is available with dual 10 GbE SFP+ ports, dual 10 GbE CX4 ports, dual 10 GbE RJ45 ports, or six 1 GbE RJ45 ports.
Sustained Data Rates	Nearly 200,000 random read and write IOPS.
Disk Drive Choice	EtherFlash storage appliances support SSD, SAS or SATA 2.5" or 3.5" disk drives. Disk type can be mixed within the appliance, allowing users to create LUNs with the size and performance characteristics to match any application.
RAID Options	EtherFlash can be configured to export multiple LUNs of any size using disks in RAID 0, 1, 5, 6 or 10 or JBOD. Hot spare disks can be configured to automatically replace failed disks in RAID 5, 6, and 10 LUNs.
LUN Security	LUNs can be VLAN tagged for added network security, and LUNs access can be restricted based upon MAC address filtering.
Management	EtherFlash storage is fully integrated with Coraid's EtherDrive SAN Manager a GUI interface that provides remote provisioning, alarm reporting, email alerts and performance monitoring.
Maintenance	Disk SMART thresholds are monitored and RAIDShield® disk scrubbing detects and repairs block address soft failures. LUNs can be hot swap relocated between SRX appliances without data loss, enabling fast system recovery.
OS Support	VMware ESXi 4.1 & 5.0 Windows Server 2003 R2 (64 bit) Windows Server 2008 (64 bit)* Windows Server 2008 R2 Server Core Oracle Solaris 10 x86 Oracle Solaris Express 11 x86 RHEL 5.7, 6.0 and 6.1 (64 bit) CentOS 5.6, 5.7, 6.0 and 6.1 (64 bit)

*Including Hyper-V™, live migration, clustered shared volumes, SCSI-3 reservation

SRX Hardware Specifications	SRX2800	SRX3200	SRX3500	SRX4200
# of disks	16 x 3.5"/2.5"	24 x 2.5"/3.5"	24 x 2.5"	36 x 2.5"/3.5"
Rack Units	3U	4U	2U	4U
Power 100-240VAC, 50/60Hz	Redundant	Redundant	Redundant	Redundant
Power Consumption (max)	480 Watts	500 Watts	350 Watts	560 Watts
Heat Load (max)	1637 BTU/hr	1706 BTU/hr	1194 BTU/hr	1911 BTU/hr
Chassis Size	17.7" x 5.2" x 25.5"	17.7" x 7" x 25.5"	17.7" x 3.5" x 25.5"	17.7" x 7" x 25.5"
Weight (with disks)	80 lbs	85 lbs	50 lbs	100 lbs
Operating Temperature	50-95°F	50-95°F	50-95°F	50-95°F
Humidity (non-condensing)	20%-90%	20%-90%	20%-90%	20%-90%

