

Coraid EtherDrive® SRX

High-Performance, Scale-Out Storage
for Ethernet SAN



Coraid EtherDrive SRX storage solutions deliver flexible, high performance, scale-out storage designed from the ground up for simplicity and virtualization. EtherDrive SRX provides lower OPEX and leading price-performance compared to legacy Fibre Channel systems.

Scale-Out Design

Designed for performance, scalability, and simplicity, EtherDrive SRX storage arrays enable a scale-out Ethernet SAN architecture that is ideally suited to virtualization, cloud, and big data environments.

Building blocks for Ethernet SAN

The EtherDrive SRX provides the foundation for the EtherDrive storage system by providing low latency, high bandwidth data transfer between hosts and data on the network. Each SRX runs the CorOS distributed storage operating system to pool individual systems together into a single platform, accessible via the EtherCloud™ Storage Manager.

The SRX works in conjunction with the EtherDrive VSX storage virtualization appliance to provide logical volume management and features such as

snapshots, clones, and remote replication.

The SRX provides JBOD and RAID 0, 1, 5, 6, and 10 with minimal overhead and in a scale out design, delivering up to 1,800 MB/s per chassis.

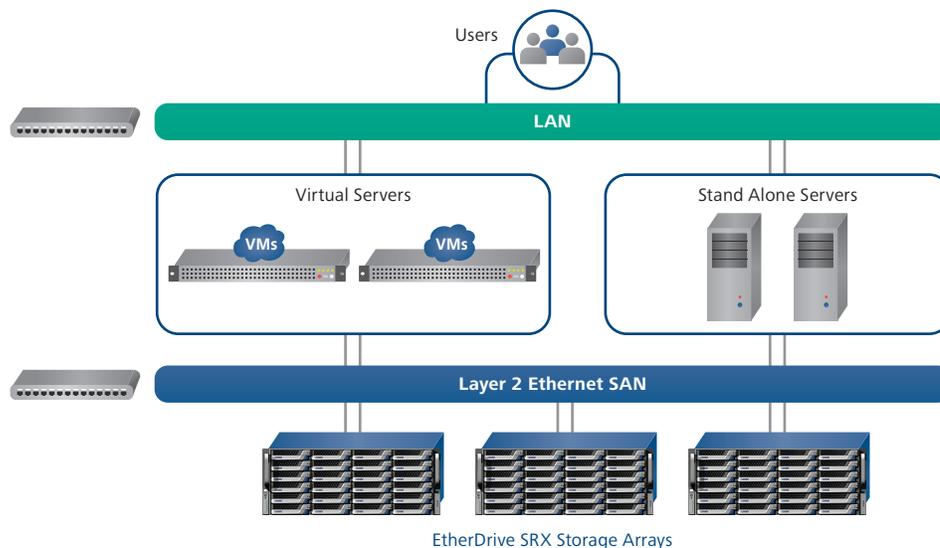
Simplified SAN Management

The simplicity of EtherDrive Storage makes it easy to manage, because it's easy to understand. EtherDrive is a drive connected to your server via Ethernet. That drive may actually be a RAID volume, but it just looks like a local drive to the server. There is no need to learn complicated technology like Fibre Channel. Just add SAS, SSD or SATA drives to the EtherDrive SRX Storage Appliance and you have all the performance and space you want available for any server attached to the SAN. It's that simple.



KEY FEATURES AND BENEFITS

- Provides up to 1,800 MB/s per chassis
- Includes the CorOS™ distributed storage operating system
- Available in 2U, 3U, and 4U configurations
- Supports up to 108 TB of storage per chassis
- Supports SAS, SSD or SATA hot swap drives
- Includes up to four 10 GigE or six GigE interfaces
- Supports JBOD and RAID 0, 1, 5, 6, and 10 with multiple automatic global hot spares
- Continuous RAIDShield™ drive scrubbing detects and corrects drive bad blocks
- RAID configuration stored on each drive allows for drive portability



SRX Functional Specifications

Interface Options	EtherDrive SRX storage appliances are available with dual 10 Gigabit Ethernet, or six 1 Gigabit Ethernet ports. All ports use jumbo Ethernet frames of 9000.
RAID Support	JBOD and RAID levels 0, 1, 5, 6, 10 are supported with multiple automatic global spares
Automatic LUN Discovery	LUNs are automatically discovered by the host as systems are added to the network
Automatic Multipathing	Automatically load balances read/write I/O across all available ports and paths of the SAN
Single Instance LUN View	A persistent single instance of each LUN is presented to the host system no matter how many network paths are available, eliminating multiple representations of the same LUN
Simple LUN Naming	Simple major.minor numbering scheme is easy to understand and remember
Automatic Congestion Control	Packet queues and retransmissions are automatically adjusted to mitigate network congestion
LUN Masking	A mechanism to control access to stored data
VLAN Zoning	VLAN tags restrict access to authorized LUNs
Automatic Global Hot Spare Drives	Drive failures with a RAID LUN are automatically repaired using an available spare drive within the chassis
Drive Flexibility	Mix SATA, SAS, and SSD drives in the same chassis to customize performance and capacity
Zero Hour Support	Meta data resides with drives enabling rapid failure recovery simply by moving drives to a spare chassis
Management	Comprehensive Command Line Interface (CLI) enables administrators to provision, configure and monitor EtherDrive SRX storage devices. The EtherCloud Storage Manager provides an easy to use Graphical User Interface (GUI) that allows administrators to provision, configure, and monitor Coraid EtherDrive SRX storage devices (optional purchase required).
Maintenance	RAIDShield® drive scrubbing detects and repairs block address soft failures. Drives can be hot swap relocated between SRX appliances without data loss, enabling fast system recovery.

SRX Hardware Specifications

	SRX2800	SRX3200	SRX3500	SRX4200
Form Factor	3U	4U	2U	4U
# of drives	16 x 3.5"/2.5"	24 x 2.5"/3.5"	24 x 2.5"	36 x 2.5"/3.5"
Capacity	48 TB raw using 3TB drive	72 TB raw using 3TB drive	24 TB raw using 1TB drive	108 TB raw using 3TB drive
Max number of LUNs	16 LUNs	24 LUNs	24 LUNs	36 LUNs
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"x5.2"x25.5"	17.7"x7"x25.5"	17.7"x3.5"x25.5"	17.7"x7"x25.5"
Weight (with drives)	80 lbs (34 kg)	85 lbs (38.5 kg)	50 lbs (22.6 kg)	100 lbs (45.3 kg)
Operating Temperature	50-95°F (10-35 degrees C)			
Relative Humidity	20%-90% (non-condensing)			
Support	Advanced Service Plan for 1 year, 3 years and 5 years, including warranty			

About Coraid

Coraid redefines storage with its breakthrough line of EtherDrive and EtherCloud solutions. Coraid delivers scale-out performance, Ethernet simplicity, and an elastic storage architecture to handle massive data growth. Designed from the ground up for big data, virtualization, and cloud architectures, Coraid solutions have been deployed by more than 1,500 customers worldwide. For more information, visit www.coraid.com.