



Verde®

## Verde: Spectra's Affordable NAS Solution

The Spectra® Verde® NAS Solution is the optimal disk platform for storage of mid-tier data, including primary storage offload, data staging, backup and archive. Flexible, simple and affordable, the Spectra Verde delivers file storage for as low as 7.5 cents per gigabyte. The expandable Verde disk solution provides raw storage capacities from 48TB to 10.7PB. Designed for a variety of workloads, a single Verde solution supports three different disk drive types, including 4TB, 8TB and 12TB enterprise drives; 8TB archive drives; and high-performance SSD drives. Reliable, economical and archive-ready, Spectra Verde simplifies the data storage process.



### Affordable

For as low as 7.5 cents per gigabyte, Verde makes it possible to keep up with data growth while keeping data protected, preserved and cost-effective. Verde's expansion node architecture allows you to scale affordably without increasing your data center footprint. Verde is designed to accommodate higher capacity drives as they become available to minimize the cost of future expansion.



### Simple

It doesn't get any easier than Verde. A simple graphical user interface guides users through each aspect of set up, management and future expansion. In fact, it is so easy that you do not have to be an expert to configure and manage file storage. Verde storage is readily integrated into your environment – from box to production in less than 30 minutes. No previous storage experience required.



### Flexible

Spectra's Verde Disk Solution delivers the ultimate in flexibility by providing customers with the ability to mix and match drive types, drive capacities and chassis types. Verde's flexibility allows you to choose the level of protection most suited for your workflow. The ability to plug and play when higher-density drives become available assures that Verde will meet your data storage needs for years to come.



### Reliable

To ensure your data is protected, Verde utilizes features that offer the highest level of data assurance. With three levels of parity protection, global spare drives, redundant power, HotPair, and intelligent drive rebuild, Verde is a dependable part of your tier two storage strategy.



## Intuitive User Interface .....

For straightforward setup and management, Verde provides an easy to navigate GUI. The Verde web interface provides browser-based configuration, management and monitoring of all of Verde's components. An interactive Sliderbar tool simplifies configuration and allows you to build disk drive parity and striping automatically.

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## Maintenance & Monitoring

For environments requiring lights-out monitoring, the AutoSupport function lets Verde "phone home" with messages and automatically generated AutoSupport Log (ASL) for use by the user and SpectraGuard Support. Verde is easily maintained by leveraging a modular design with parts that can be easily hot-swapped.



Verde Disk Specifications		2U Verde	4U Verde
Master Node	Size	2U	4U
	Capacity	48 TB - 144 TB	48 TB - 420 TB
	# of Drives	12	12 to 35
Drive Type	Archive*	8 TB	
	Enterprise <sup>1</sup>	4 TB, 8 TB, 12 TB**	
	SSD	1 TB, 2 TB	
Expansion Chassis Drives & Capacity	Archive	No Expansion	96 Drives (768 TB)
	Enterprise	96 Drives (1,152 TB)	96 Drives (1,152 TB)
System Capacity	Archive	96 TB	7.1 PB
	Enterprise	2.4 PB	10.7 PB
Network	Ports and Connectivity	1 Port - 10 Gbase-T (RJ45)	2 Port - 10 Gbase-T (RJ45)
		2 Port - 10 Gbase-T (RJ45)	2 Port - 10 GigE (SFP+)
		2 Port - 10 GigE (SFP+)	2 Port - 40 GigE (QSFP+)
	Network protocols supported: SMB 1, 2, 3; NFS 2, 3		
Protection Level	Archive	Double or Triple Parity	
	Enterprise	None / Mirror / Parity (single, double or triple)	
Acceleration Kit	# of SSD	N/A	0, 4, or 6 Drives
Failover Mode	--	N/A	HotPair
Dimension and Weight	Enterprise Master Node	Width: 17.2" (437mm) Height: 2U; 3.5" (89mm) Depth: 27.5" (699mm) Weight: 61 lbs (27.7 kg)	Width: 17.2" (437mm) Height: 4U; 6.9" (175mm) Depth: 29.5" (699mm) Weight: 136.4 lbs (61.8 kg)
	High Density Chassis	N/A	Width: 19" (483mm) Height: 4U; 6.9" (175mm) Depth: 40" (1,016mm - including cable management) Weight: 248.8 lbs (112.9 kg)

\*Archive = High Density SATA Drives \*\*Self-Encrypting 12TB SAS Drive Available <sup>1</sup>Enterprise = Performance Nearline SAS or SATA

## SpectraGuard Support

Support for Spectra Verde ranges from basic to more advanced alternatives. Our expertise comes from nearly four decades of solving real problems with hands-on lab work and onsite technical support. Our support staff is cross-trained over the entire storage environment – not just hardware – so we can assist you with all aspects of a problem.

## About Spectra Logic Corporation .....

Spectra Logic develops data storage solutions that solve the problem of long-term storage for business and technology professionals dealing with exponential data growth. Dedicated solely to storage innovation for nearly 40 years, Spectra Logic's uncompromising product and customer focus is proven by the largest information users in multiple vertical markets globally. Spectra enables affordable, multi-decade data storage and access by creating new methods of managing information in all forms of storage – including archive, backup, cold storage, cloud and private cloud.

