



Verde[®]

Simply Affordable File Storage

Spectra Verde, the fourth generation of the disk line, will address your data growth, regulatory and backup challenges. Verde is affordable secondary storage with simple installation, an intuitive user interface for effortless management, and architecture that assures the highest level of data integrity. Verde will meet your long-term archive and backup needs.



SPECTRALOGIC.COM

Why Verde?



Low-Cost



Power
Efficient



High
Reliability



Simple
to Use



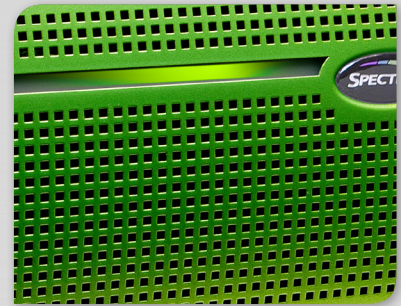
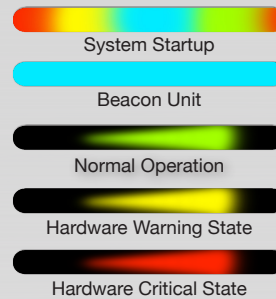
Long-Term
Use



Scalable

Like its bold faceplate design, Spectra Verde green represents the characteristics that you seek in disk storage.

Visual Status Beacon



The front panel Visual Status Beacon (VSB) LED provides visual status of the unit, allowing for rapid diagnostics and troubleshooting.



Half the Cost of Traditional File Storage

Verde offers economical capacity storage and provides operational expense reductions through space-efficient designs, intelligent scaling, compression, and reduced management overhead. With Verde's low pricing you can expect to pay as low as \$0.34 per GB of storage at list pricing.



Never Lose Your Data



To ensure that your data is accessible and protected, Verde's architecture utilizes features that offer the highest level of data assurance. For additional data assurance and maximum uptime; Verde offers levels of self-protection, hot spares, intelligent rebuilds and so much more to ensure your data will never be lost.

- Rock Solid Hardware
- More Reliability through Less Complexity
- Software Ensures Ultimate Data Protection
- High Data Integrity Enterprise Drives

SpectraGuard Support

Support for Spectra Verde ranges from next business day to more advanced alternatives, including same day or four-hour onsite service. Our expertise comes from over 30 years 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. From open to close, we are committed to resolving any issue.

SPECTRAGUARD
Worldwide Support



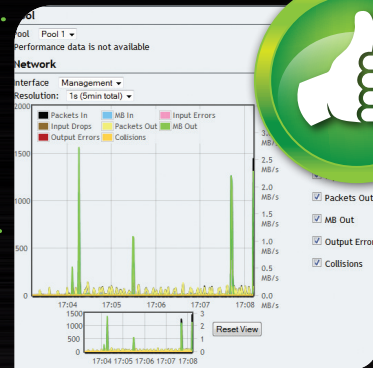
Verde 2U Master node

No Previous Storage Experience Required

From set up to management to expansion, it doesn't get any easier than Verde. 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 and added into existing environments, installing from box to production in less than 30 minutes.

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.



Simplified management dashboard.

Maintenance & Monitoring

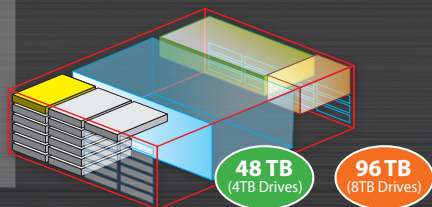
For environments requiring lights-out monitoring, the AutoSupport function lets Verde "phone home" with messages and automatically generated AutoSupport Log (ASL) for use by the user and SpectraGuard Support. Verde is easily maintained by leveraging a modular design with parts that can be easily hot-swapped.

Scale Affordably

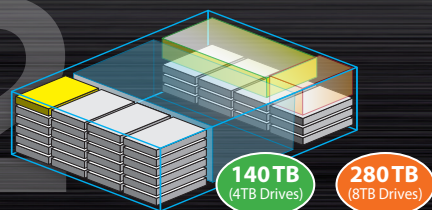


Verde makes it possible to keep up with data growth while keeping it protected, preserved and cost-effective. Scale your storage affordably through Verde's expansion node architecture and maintains your existing footprint by scaling in place with higher capacity drives.

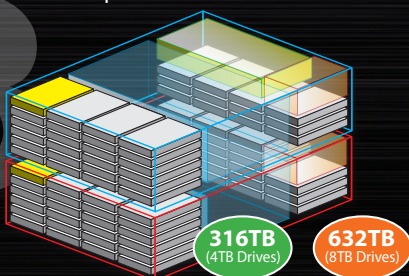
STEP 1: Start with twelve drives (4TB or 8TB).



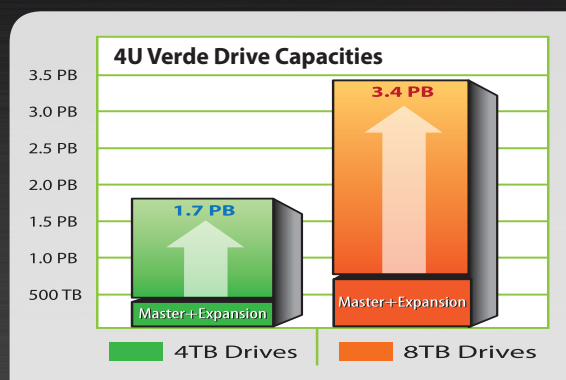
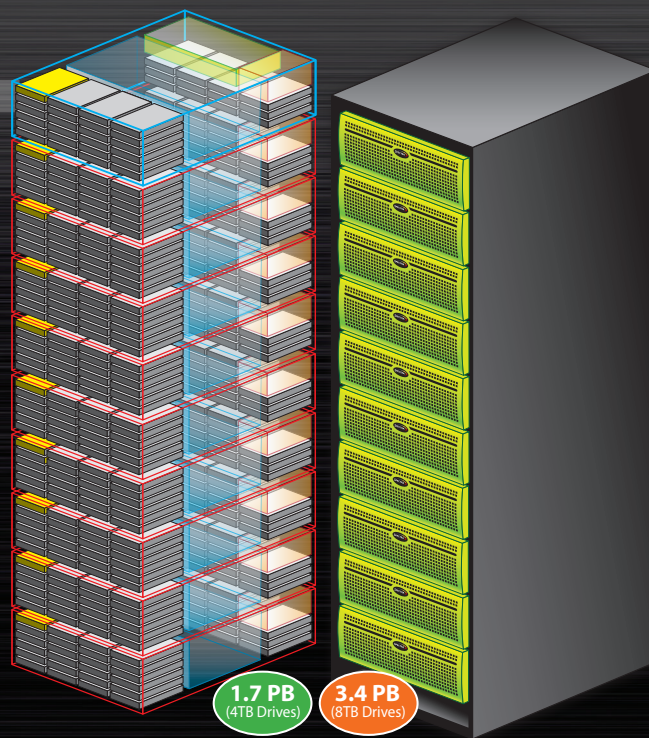
STEP 2: Expand to 35 drives in one full master node.



STEP 3: Expand to 79 drives in one full master & one expansion node.



STEP 4: Scale to one full rack with up to 431 drives with one full master and nine expansion nodes.








Rock Solid Hardware

To ensure that your data is protected and accessible, Verde's hardware architecture gives you the highest levels of data assurance. The Verde 4U Master node contains all of Verde's processing and connectivity with redundant power, 1 GbE and 10GbE network connections and holds up to 35 SAS Enterprise-class drives (11 SAS drives in Verde 2U). Each Verde system has one Master node and the Expansion node allows Verde to scale to 3.4 petabytes in size. The Expansion node has redundant power, SAS connectivity to the Master node and holds up to 44 SAS hard drives, scaling to 9 expansion nodes.

Specifications

Chassis Options	 Verde 2U Master Node	 Verde 4U Master Node	 Verde 4U Expansion Node
Drive Options	4 TB or 8 TB SAS	4 TB or 8 TB SAS	4 TB or 8 TB SAS
Minimum Node Capacity	48 TB	80 TB	40 TB
Maximum Node Capacity	96 TB	280 TB	352 TB
Maximum System Capacity	800 TB (1 Master, 2 4U Expansion)	3.44 PB (1 Master, nine 4U Expansion)	
Network Connectivity	1x 1/10GBase-T (RJ 45), 2x 10GigE (optional), 2x 10Base-T, 2x 40GbE (optional)	1x 1/10GBase-T (RJ 45), 2x 10GigE (optional), 2x 10Base-T, 2x 40GbE (optional)	N/A
Dimensions	Width: 17.2" (437mm) Height: 2U; 3.5" (89mm) Depth: 27.5" (699mm)	Width: 17.2" (437mm) Height: 4U; 7" (178mm) Depth: 27.5" (699mm)	
Gross Weight	61 lbs (27.7 kg)	104 lbs (47.2 kg)	

For complete specifications, please contact your Spectra representative or visit www.spectralogic.com/verde.

Software Ensures Ultimate Data Protection

- CIFS
- Compression
- Thin Provisioning
- Tolerance for one, two or three drive failures
- All writes committed
- NFS
- Snapshots
- Failover mode: ColdPair, HotPair
- Replication (available Spring of 2015)

About Spectra Logic Corporation

Spectra Logic develops deep 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 more than 35 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 deep storage—including archive, backup, cold storage, cloud and private cloud.



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