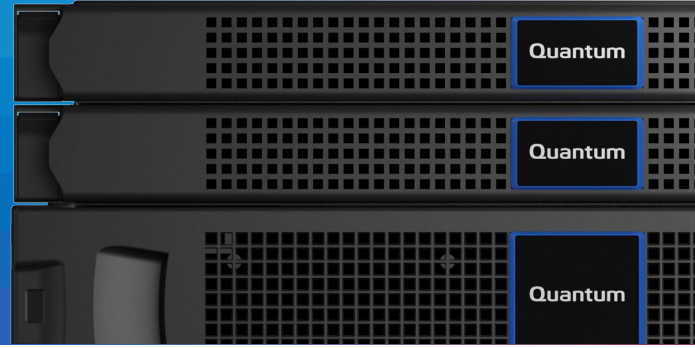


Quantum.

# STORNEXT XCELLIS APPLIANCES



DATASHEET

## Accelerate Your Business. Maximize Your Productivity

The StorNext File System can be configured and deployed as software, or on tested and pre-configured appliances from Quantum, referred to as Xcellis® storage appliances. StorNext® Xcellis appliances enable high-speed shared access to your files, and are available in a variety of configurations, both for hosting the StorNext Metadata Controller (“MDC”) software, and for scaling out client connection support and bandwidth for primary and secondary storage data placement.

### FEATURES AND BENEFITS

- **Simple to Deploy and Manage:** Xcellis appliances are the easiest way to deploy and grow a StorNext file system environment.
- **Purpose-Built for Maximum Performance:** Every Xcellis appliance has been designed and tested to maximize StorNext file system performance.
- **Flexible Server and Storage Options:** Xcellis MDC appliances and Xcellis gateway appliances are available in a wide range of server and storage options to meet any performance and capacity requirement.
- **Flexible Connectivity Options:** Xcellis appliances can be configured with a wide range of Ethernet and Fibre Channel connectivity options.

StorNext®



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[www.quantum.com/stornext](http://www.quantum.com/stornext)

# TECHNICAL SPECIFICATIONS



APPLIANCE TYPE	XCELLIS WD (METADATA)		XCELLIS WE (GATEWAY)	
Use	Hosts StorNext® metadata controller software		Used for scaling out client access and performance	
System	<b>Configuration Options</b> Available with combined metadata and user storage or dedicated metadata storage <b>Storage Support</b> Includes Quantum QXS™ 12G storage for combined metadata and data options; supports Quantum or 3rd-party storage with dedicated metadata models <b>Nodes</b> Dual rack servers, redundant power supplies, dual eight-core high-performance Intel Silver CPUs		Dual 8-core CPU/64 GB RAM Dual internal mirrored SSD drives for Operating System and 1-TB drive for logs Dual 750 W power supplies Dual cooling fans	
Licensing	<b>Included StorNext Software</b> StorNext High-Availability license option, ten SAN clients available to the user for any OS type, one embedded SAN client for each Xcellis Workflow Director node, and a Distributed Data Mover license (for the secondary node) <b>Optional StorNext LAN Gateway License</b> Allows connection of StorNext LAN clients directly to Xcellis. Does not require per-client licensing. <b>Optional NAS Connectivity License</b> Allows connection of SMB and NFS clients directly to Xcellis. Does not require per-client licensing.		<b>At least one license is required; licenses are allowed in any combination.</b> <b>StorNext LAN Gateway License</b> Allows connection of StorNext LAN clients directly to Xcellis. Does not require per-client licensing. <b>NAS Connectivity License</b> Allows connection of SMB and NFS clients directly to Xcellis. Does not require per-client licensing. <b>StorNext Distributed Data Mover Option</b> Moves data from primary storage to a tier such as cloud, object, disk, or tape. <b>Included StorNext Software</b> Includes a StorNext SAN client for the Xcellis Gateway Node.	
Connectivity	<b>Optional Ethernet</b> Dual 100 Gb / 40 Gb, Dual 25 Gb / 10 Gb, Quad 10GBASE-T <b>Optional Fibre Channel</b> Dual 32 Gb Optical or Quad 16 Gb Optical <b>Onboard Ethernet</b> Quad 1 Gb for service, management, and metadata networks <b>Client Protocol Support</b> StorNext SAN, StorNext LAN, SMB, NFS, S3, Active Directory, OpenLDAP, RESTful API <b>Client Support</b> Linux, Mac OS X, Windows		<b>Up to Three Fibre Channel or Ethernet Adapters</b> <b>Fibre Channel (includes optics and cables)</b> Dual 32 Gb or Quad 16 Gb <b>Onboard Ethernet</b> Quad 1 Gb for management, metadata, and service <b>Ethernet</b> Optional NICs for StorNext LAN, NAS, cloud, and object Dual 25 Gb/10 Gb Ethernet with SFP28 sockets, optional SFP or DAC kit for 25 Gb or 10 Gb Quad 10GBASE-T (also supports 1 Gb Ethernet) Dual 100 Gb/40 Gb Ethernet with QSFP28 sockets, optional QSFP or DAC kit for 100 Gb or 40 Gb <b>Client Protocol Support</b> StorNext SAN, StorNext LAN, SMB 1 (CIFS), SMB 2, SMB 3, NFS v3, NFS v4, Active Directory, OpenLDAP, RESTful API <b>Client Support</b> Linux, Mac OS X, Windows	
Physical Specs	<b>Server Width (side to side)</b> 19 in (48.3 cm) <b>Server Depth (front)</b> 28.4 in (72.05 cm) <b>Server Height</b> 1.75 in (4.45 cm) <b>Single Server Node Weight</b> 33.08 lbs (15.01 kg) - unboxed 51.13 lbs (23.19 kg) - shipping (includes rails) <b>Rack Space Requirements</b> Servers 1U for each server node		<b>Rack Height</b> 1U <b>Height</b> 1.68 in (4.28 cm) <b>Width</b> 18.98 in (48.23 cm) <b>Depth</b> 29.72 in (75.51 cm)	
Environmental	<b>Temperature</b> Operating: 50 to 95 °F (10 to 35°C) with a maximum temperature gradation of 20 °C per hour <i>Note: 35 °C (95 °F) is the maximum temperature at sea level. For altitudes above 2,950 ft (899.2 m), decrease the operating temp 0.9 °C for every 1,000 ft (304.8 m) of altitude.</i> Shipping and Storage: -40 to 149 °F (-40 to 65 °C) <b>Relative Humidity</b> Operating: 10% to 80% Shipping and Storage: 5% to 95%, non-condensing <b>Altitude</b> Operating: 0 to 10,000 ft (0 to 3048 m) Shipping and Storage: 0 to 35,000 ft (0 to 10,688 m) <b>Heat</b> In BTUs (see individual component specs, above)		<b>Humidity</b> 10% to 80% relative humidity with 26 °C (78.8 °F) maximum dew point <b>Temperature °F (°C)</b> Operating: 10 to 35 °C (50 to 95 °F) with a maximum temperature gradation of 20 °C per hour <i>Note: For altitudes above sea level, the maximum operating temperature is de-rated 0.9 °C/1,000 ft</i> Storage Conditions: -40 to 65 °C (-40 to 149 °F) with a maximum temperature gradation of 20 °C per hour <b>Relative Humidity</b> Operating: 10% to 80% (non-condensing) with 29 °C (84.2 °F) maximum dew point Storage: 5% to 95% (non-condensing) with 33 °C (91 °F) maximum dew point. Atmosphere must be non-condensing at all times. <b>Altitude</b> Operating: -16 to 3,048 m (-50 to 10,000 ft) Non-Operating: -16 to 12,000 m (-50 to 39,370 ft) <b>Sine Vibration</b> Operating: Random 0.26 Gs, 5 to 350 Hz (all operation orientations) Non-Operating: Random 1.88 Gs, 10 to 500 Hz, for 15 minutes (all six sides tested) <b>Shock</b> Operating: 6 Gs for 11 ms, half-sine input, 6 shock pulses in both + and - directions in x, y, z axis Non-Operating: 71 Gs for 2 ms, half-sine input, 6 shock pulses in both + and - directions in x, y, z axis <b>Acoustic</b> Sound Pressure Level 72 dBa max any operation position	
Power	<b>Power Outlet</b> Compatible with North American type NEMA 5-15P plugs, European CEE 7/7 plugs, or NEMA C13/14 if plugging into a rack power distribution unit (PDU). <b>Frequency</b> 50 to 60 Hz <b>Input Voltage</b> 100 to 240 VAC <b>Operational Current Draw</b> 3.4 AMPS at 100 VAC; 1.4 AMPS at 240 VAC <b>Power Draw</b> 335 Watts <b>Inrush Power</b> 306 Watts <b>Heat</b> 1,443 BTUs		<b>Voltage</b> 100 to 240 VAC <b>Frequency</b> 50 to 60 Hz <b>Rated Current</b> 1.4 to 3.4 A <b>Rated Power</b> 335 W <b>Rated Inrush</b> 254 W	



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