



# SC400/SC420 Expansion Enclosure Technical Specifications

## Technical Specifications

The technical specifications of the SC400/SC420 expansion enclosures are displayed in the following tables.

<b>Drives</b>	
SAS hard drives	<p><b>SC400:</b> Up to 12 hot-swappable 3.5-inch 12 Gbps SAS hard drives or SAS solid state drives (SSDs)</p> <p><b>SC420:</b> Up to 24 hot-swappable 2.5-inch 12 Gbps SAS hard drives or SAS solid state drives (SSDs)</p> <p> <b>NOTE:</b> SC400/SC420 expansion enclosures support self-encrypting drives (SEDs).</p>
<b>Enclosure Management Modules (EMMs)</b>	
EMMs	Two hot-swappable IO modules
<b>Connectivity</b>	
Configurations	Storage Center supports up to 960 drives in five redundant-path SAS chains An SC9000 supports up to 16 SC400 expansion enclosures or up to 8 SC420 expansion enclosures per chain
<b>Redundant Array of Independent Disks (RAID)</b>	
Storage System	SC9000
Management	RAID management using Dell Storage Client 2015 R2
<b>Back-Panel Connectors (per EMM)</b>	
SAS connectors	Four mini-SAS HD connectors for connecting an expansion enclosure to a storage system.
	 <b>NOTE:</b> SAS connectors are SFF-8086/SFF-8088 compliant.
<b>LED Indicators</b>	
Front panel	<ul style="list-style-type: none"> <li>One two-color LED indicator for system status</li> </ul>

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**LED Indicators**

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	<ul style="list-style-type: none"><li>• One single-color LED indicator for power status</li></ul>
Hard-drive carrier	<ul style="list-style-type: none"><li>• One single-color activity LED</li><li>• One two-color LED status indicator per drive</li></ul>
Power supply/cooling fan	Three LED status indicators for power supply status, power supply module status, and AC status

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**Power Supplies**

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AC power supply (per power supply)

Wattage	600 W
Voltage	100–240 VAC (8.6–4.3 A), autoranging, 50/60 Hz
Heat dissipation	AC – 2047 BTU/hr

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**Available Hard Drive Power (per Slot)**

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Supported hard drive power consumption (continuous)	Up to 1.2 A at +5 V, up to 0.5 A at +12 V
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**Physical**

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Height	8.7 cm (3.43 in.)
Width	48.2 cm (18.98 in.)
Depth	54.1 cm (21.3 in.)
Weight (maximum configuration)	<b>SC400:</b> 28.59 kg (63.03 lb) <b>SC420:</b> 24.2 kg (53.35 lb)
Weight without drives	<b>SC400:</b> 9.0 kg (19.84 lb) <b>SC420:</b> 8.8 kg (19.4 lb)

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**Environmental**

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**NOTE:** For additional information about environmental measurements for specific configurations, see [dell.com/environmental\\_datasheets](http://dell.com/environmental_datasheets).


**Temperature**

Operating	<b>SC400:</b> 5° to 35°C (41° to 95°F) with a maximum temperature gradation of 10°C per hour <b>SC420:</b> 10° to 35°C (50° to 95°F) with a maximum temperature gradation of 10°C per hour
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**Environmental**

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 **NOTE:** For altitudes above 2950 ft, the maximum operating temperature is derated 1°F per 550 ft.

Storage -40° to 65°C (-40° to 149°F) with a maximum temperature gradation of 20°C per hour


**Relative humidity**

Operating 8% to 85% (noncondensing) with a maximum humidity gradation of 10% per hour

Storage 5% to 95% (noncondensing)

**Altitude**

Operating -16 to 3048 m (-50 to 10,000 ft)

 **NOTE:** For altitudes above 2950 ft, the maximum operating temperature is derated 1°F per 550 ft.

Storage -16 to 10,600 m (-50 to 35,000 ft)