Dell FluidFS NAS Solutions Getting Started Guide

Notes, Cautions, and Warnings

NOTE: A NOTE indicates important information that helps you make better use of your computer.

CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

Installation And Configuration

⚠ **WARNING: Before performing the following procedure, review the safety instructions that came with the system.**

Unpacking A Rack System

Unpack your system and identify each item.

Assemble the rails and install the system in the rack following the safety instructions and the rack installation instructions provided with your system.
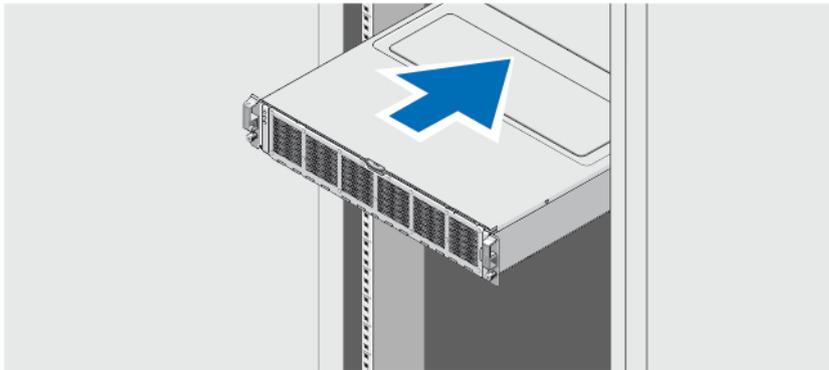
Figure 1. Installing the System in a Rack

Connecting The Power Cable(s)
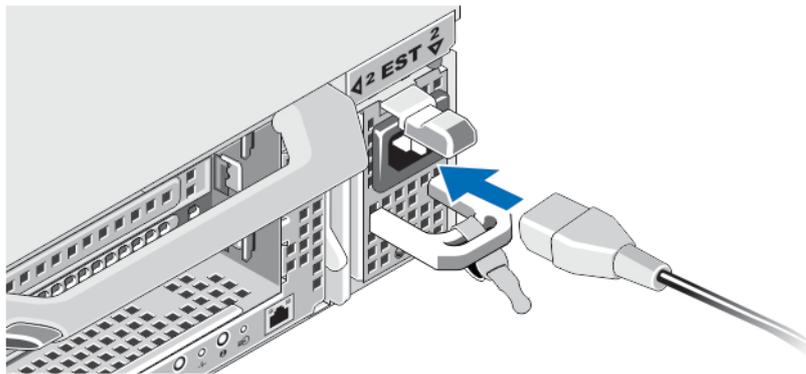
Figure 2. Connecting Power Cable(s)

Connect the system's power cable(s) to the system.

Securing The Power Cable(s)
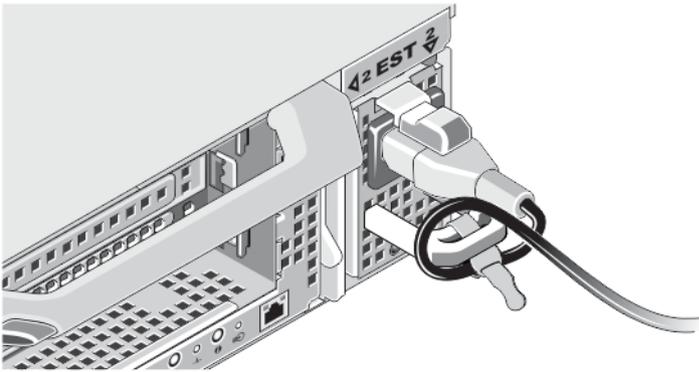
Figure 3. Securing Power Cable(s)

Bend the system power cable(s), as shown in the illustration, and attach to the cable strap.

Plug the other end of the power cable(s) into a grounded electrical outlet or a separate power source such as an uninterruptible power supply (UPS) or a power distribution unit (PDU).

NOTE: Connect each of the two power cables to independent power sources for maximum redundancy.

Turning On The System

The system turns on automatically when you connect the power supply to a power source.

Installing The Optional Bezel
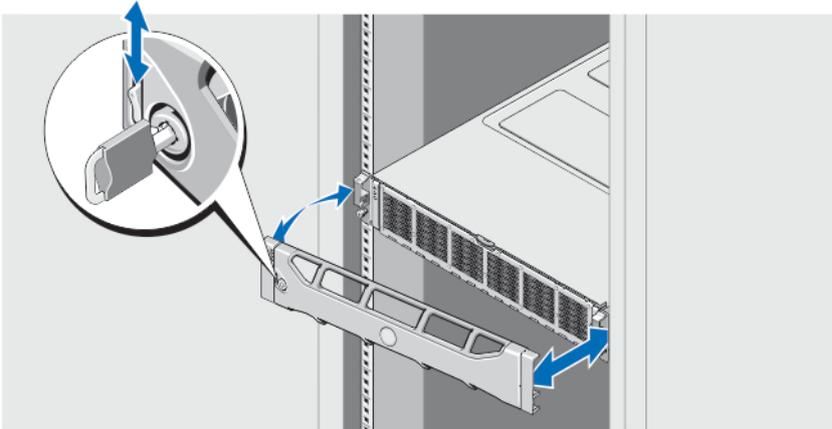
Figure 4. Installing the Bezel

Install the bezel (optional).

Dell Software License Agreement

Before using your system, read the Dell Software License Agreement that came with your system. You must consider any media of Dell-installed software as BACKUP copies of the software installed on your system's hard drive. If you do not accept the terms of the agreement, call the customer assistance telephone number. For customers in the United States, call 800-WWW-DELL (800-999-3355). For customers outside the United States, visit support.dell.com and select your country or region from the top of the page.

Other Information You May Need

⚠ **WARNING: See the safety and regulatory information that shipped with your system. Warranty information may be included within this document or as a separate document.**

- The *Owner's Manual* provides information about system features and describes how to troubleshoot the system and install or replace system components. This document is available online at **support.dell.com/manuals**.
- The rack documentation included with your rack solution describes how to install your system into a rack, if required.
- Any media that ships with your system that provides documentation and tools for configuring and managing your system, including those pertaining to the operating system, system management software, system updates, and system components that you purchased with your system.

✎ **NOTE:** Always check for updates on **support.dell.com/manuals** and read the updates first because they often supersede information in other documents.

Obtaining Technical Assistance

If you do not understand a procedure in this guide or if the system does not perform as expected, see your *Owner's Manual*. Dell offers comprehensive hardware training and certification. See **dell.com/training** for more information. This service may not be offered in all locations.

NOM Information

The following information is provided on the device described in this document in compliance with the requirements of the official Mexican standards (NOM):

Importer:	Dell Inc. de México, S.A. de C.V. Paseo de la Reforma 2620 -11º Piso Col. Lomas Altas 11950 México, D.F.
Model number:	E02T
Supply voltage:	100–240 V CA
Frequency:	50/60 Hz
Current consumption:	10 - 6.5 A X2

✎ **NOTE:** (X#), # = max number of power supplies per system

Technical Specifications

✎ **NOTE:** The following specifications are only those required by law to ship with your system. For a complete and current listing of the specifications for your system, go to **support.dell.com**.

Power

AC Power Supply (per power supply)

Wattage	717 W
Heat dissipation	2446.8 BTU/hr

✎ **NOTE:** Heat dissipation is calculated using the power supply wattage rating. The heat dissipation values are for the entire system which includes (chassis and two controllers).

Voltage	90 V AC to 264 V AC, autoranging, 47 Hz/63 Hz

✎ **NOTE:** This system is also designed to be connected to IT power systems with a phase to phase voltage not exceeding 230 V.

Battery

Storage controller backup power supply	12.8 V to 13.2 V, 4.8 Ah to 6 Ah, 63 Wh to 77 Wh

Physical

Height	86.40 mm (3.40 inch)
Width	481.50 mm (18.96 inch) with rack latches
	446.30 mm (17.57 inch) without rack latches
Depth	741.0 mm (29.21 inch) without bezel and handle
	813.10 mm (32.01 inch) with bezel and handle
Weight (maximum configuration)	30.50 kg (67.0 lb)
Weight (empty)	12.86 kg (28.36 lb)

Environmental

✎ **NOTE:** For additional information about environmental measurements for specific system configurations, see **dell.com/environmental_datasheets**.

Temperature

Operating	Continuous operation: 5 °C to 40 °C (41 °F to 104 °F) with a maximum temperature gradation of 20 °C per hour
Storage	−40 °C to 60 °C (−40 °F to 140 °F) with a maximum temperature gradation of 20 °C per hour

Relative humidity

Environmental	
Operating	20% to 80% (noncondensing) with a maximum humidity gradation of 10% per hour at maximum wet bulb temperature of 29 °C (89.2 °F)
Storage	5% to 95% with a maximum humidity gradation of 10% per hour at a maximum wet bulb temperature of 38 °C (100.4 °F)

Maximum vibration	
Operating	0.26 G_{rms} (5 Hz to 350 Hz at 0.0002 G^2/Hz) in operational orientation for 5 min (maximum)
Storage	1.88 G_{rms} with the following PSD profile (all 6 sides tested for 15 minutes each side)

Frequency (Hz)	G^2/Hz
10	0.13
20	0.13
70	0.004
130	0.004
165	0.0018
500	0.0018

Maximum shock	
Operating	31 G half-sine shock +/-5% with pulse duration of 2.6 ms +/-10% in the operational orientation (Maximum)
Storage	Square wave shock of 27 G, at 235 inches/second (596.90 cm/second) velocity change (all six sides tested)

Altitude	
Operating	−16 m to 3048 m (−50 ft to 10,000 ft)
	NOTE: For altitudes above 2950 ft, the maximum operating temperature is derated 1 ºF/550 ft.
Storage	−15.2 m to 10,668 m (−50 ft to 35,000 ft)

Airborne Contaminant Level	
Class	G1 as defined by ISA-S71.04-1985