PowerEdge R6525 Information Update - Tech Sheet

D&LL Technologies

Notes, cautions, and warnings

(i) **NOTE:** A NOTE indicates important information that helps you make better use of your product.

⚠ **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.**

Contents

Overview

The information in this document supersedes the information in the pertinent sections of the Installation and Service Manual, BIOS and UEFI Reference Guide, and Technical Specifications.

For a complete list of information, see the documents available at https://www.dell.com/poweredgemanuals.

Topics:

*   Revision history

Revision history

This section provides a description of document changes.

Table 1. Document Revision history

Document Revision	Date	Description of changes
1.	November, 2022	1. Updated PSU information 2. Updated Serial communication in BIOS

Information Update

Topics:

- Serial Communication
- PSU specifications

Serial Communication

To view the **Serial Communication** screen, power on the system, press F2, and click **System Setup Main Menu** > **System BIOS** > **Serial Communication**.

ⓘ **NOTE:** The serial port is optional for the PowerEdge R6525 system. The Serial Communication option is applicable only if the serial COM port is installed in the system.

Table 2. Serial Communication details

Option	Description
Serial Communication	Selects serial communication devices (Serial Device 1 and Serial Device 2) in BIOS. BIOS console redirection can also be enabled, and the port address can be specified. This option is set to **Off** when there is no external serial port connected. This option is set to **Auto** when external serial port is connected.
Serial Port Address	Enables you to set the port address for serial devices. This option is set to **COM1** when there is no external serial port connected. This option is set to **Serial Device1=COM2, Serial Device 2=COM1** when there is an external serial port connected. ⓘ **NOTE:** You can use only Serial Device 2 for the Serial Over LAN (SOL) feature. To use console redirection by SOL, configure the same port address for console redirection and the serial device. ⓘ **NOTE:** Every time the system boots, the BIOS syncs the serial MUX setting that is saved in iDRAC. The serial MUX setting can independently be changed in iDRAC. Loading the BIOS default settings from within the BIOS setup utility may not always revert the serial MUX setting to the default setting of Serial Device 1.
External Serial Connector	Enables you to associate the External Serial Connector to **Serial Device 1**, **Serial Device 2**, or the **Remote Access Device** by using this option. This option is set to **Serial Device 1** and grayed out when there is no external serial port connected. This option is set to **Serial Device 1** or **Serial Device 2** or **Remote Access Device** when there is an external serial port connected. ⓘ **NOTE:** Only Serial Device 2 can be used for Serial Over LAN (SOL). To use console redirection by SOL, configure the same port address for console redirection and the serial device. ⓘ **NOTE:** Every time the system boots, the BIOS syncs the serial MUX setting saved in iDRAC. The serial MUX setting can independently be changed in iDRAC. Loading the BIOS default settings from within the BIOS setup utility may not always revert this setting to the default setting of Serial Device 1.
Failsafe Baud Rate	Specifies the failsafe baud rate for console redirection. The BIOS attempts to determine the baud rate automatically. This failsafe baud rate is used only if the attempt fails, and the value must not be changed. This option is set to **115200** by default.

Table 2. Serial Communication details (continued)

Option	Description
Remote Terminal Type	Sets the remote console terminal type. This option is set to **VT100/VT220** by default.
Redirection After Boot	Enables or disables the BIOS console redirection when the operating system is loaded. This option is set to **Enabled** by default.

PSU specifications

The PowerEdge R6525 system supports up to two AC or DC power supply units (PSUs).

⚠ **WARNING: Instructions for the qualified electricians only:**

System using -(48-60) V DC or 240 V DC power supplies are intended for restricted access locations in accordance with Articles 110-5, 110-6, 110-11, 110-14, and 110-17 of the National Electrical Code, American National Standards Institute (ANSI)/National Fire Protection Association (NFPA) 70.

240 V DC power supplies shall be connected to the 240 V DC outlet from certified power distribution units if applicable in country of use.

Power supply cords/jumper cords and the associated plugs/inlets/connectors shall have appropriate electrical ratings referencing the rating label on the system when used for connection.

Table 3. PowerEdge R6525 PSU specifications

PSU	Class (AC only)	Heat dissipation (maximum)	Frequency	Voltage	Current
800 W Mixed Mode	Platinum	3000 BTU/hr	50/60 Hz	100 -240 V AC	9.2 - 4.7 A
	N/A		DC	240 V DC	3.8 A
1100 W Mixed Mode	Titanium	4125 BTU/hr	50/60 Hz	100–240 V AC	12 A-6.3 A
	N/A		DC	240 V DC	5.2 A
1100 W (-48Vdc)	N/A	4265 BTU/hr	DC	-48 - -60 V DC	27 A
1400 W Mixed Mode	Platinum	5250 BTU/hr	50/60 Hz	100 - 240 V AC	12 - 8 A
	N/A		DC	240 V DC	6.6 A
700 Mixed Mode	Titanium	2625 BTU/hr	50/60 Hz	200-240 V AC	4.1A
	N/A		DC	240 V DC	3.4A
1800 Mixed Mode	Titanium	6000 BTU/hr	50/60 Hz	200-240 V AC	10A
	N/A		DC	240 V DC	8.2A

ⓘ **NOTE:** When selecting or upgrading the system configuration, to ensure optimum power utilization, verify the system power consumption with the Dell Energy Smart Solution Advisor available at **Dell.com/ESSA**.