

# Dell 2161DS Remote Console Switch



**The Dell 2161DS combines the power of digital and analog technology into a single KVM switch, providing users both local and remote connectivity directly to the Keyboard, Video, and Mouse ports of their servers.**

## Product Background and Overview

With the 2161DS, server administrators can monitor and control a virtually unlimited number of servers in almost any number of locations with ease. Increasing productivity, the 2161DS helps ensure that IT resources are fully optimized - allowing the business to reap maximum returns from critical technology investments. The 2161DS is a multi-platform solution that connects up to 128 servers over a single IP connection. With its pay as you grow scalability, the 2161DS can connect multiple users to multiple servers. The 2161DS, a KVM OVER IP™ switch, also allows server administrators to retain their analog KVM connections wherever they deem it appropriate. So, instead of having to choose between the new KVM OVER IP or a traditional KVM switch, they can enjoy the best of both worlds.

Dell's 2161DS Remote Console Switch combines analog and digital technology to provide flexible, centralized control of data center servers. The Dell 2161DS combines the power of digital and analog technology into a single KVM switch, providing users both local and remote connectivity directly to the Keyboard, Video, and Mouse ports of their servers. This solution delivers a significant reduction of cable volume as well as secure remote access and flexible server management from anywhere at any time.

The 2161DS consists of a rack mountable KVM switch configurable for local and remote connectivity. Each 2161DS has 16 CAT 5/RJ45 ports (for connecting servers). Users can access servers across a 10/100 T Ethernet connection or directly through an analog port on the 2161DS for local KVM connectivity and administration. Through the local port, you can achieve enhanced video quality of up to 1600 x 1200 with an end-to-end cable length of up to 50 feet (15 meters). Remote users can achieve video resolution of up to 1280 x 1024.

## Highlighted Features

The 2161DS comes with the Server Interface Pod (SIP), which replaces bulky KVM cable by converting the keyboard, monitor, and mouse signals from a server and driving them up to 10 meters (32.8ft) through a single CAT 5 cable. The SIP cable draws its power from the server and has a keep alive functionality that is designed to keep your server working properly with or without connectivity to the 2161DS unit.

The 2161DS includes the Dell Remote Console Software (RCS). You can operate the 2161DS from either the remote or local workstation. At the local station you will use Oscar, the same menu found on Dell's traditional analog switches. At the remote workstation, you will use the RCS software, a Java based browser interface to your entire 2161DS system.

An optional accessory to this product is the Dell Port Expansion Module. A Port Expansion Module (PEM) is a passive device that can be mounted next to the railing of the rack. A PEM connects to one system port on a 2161DS and then to 8 servers. With a PEM connected to each of the 16 ports on the 2161DS, the total system capacity of a 2161DS expand to 128 total servers.

Other highlights include: Connectivity - Digital and analog paths, Flash Upgradeable - Designed for future hardware compatibility, Flexibility - Access and control any server from a single screen with the RCS Java based software, Scalability - Grows with your expanding IT environment by providing control for a virtually unlimited number of servers; adding a user is as simple as adding a client, Space Efficient Design - Occupies 0U in a Dell Rack, CAT 5 Cabling - Reduces cable bulk, KVM Over IP Connection, Centralized Server Access and Management with RCS.



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Dell Server Interface Pod (SIP)



Optional Accessory: Dell Port Expansion Module

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Visit [www.dell.com](http://www.dell.com) for more information.



# Dell 2161DS Remote Console Switch

## DELL ENTERPRISE SERVICES

Dell offers a broad portfolio of Enterprise services that help you optimize the use of IT technologies, rapidly deploy systems, educate IT professionals and maximize system uptime. Dell provides expert advice and technical assistance and a single point of contact, and helps you reduce overall total cost of ownership (TCO).

### Standard Support for the 2161DS

\*Three-year limited warranty<sup>2</sup> supplemented with three years of standard Next Business Day on-site parts replacement and one year of Next Business Day on-site<sup>3</sup> labor

\*7-day/24-hour Lifetime Telephone Technical Support for troubleshooting and diagnosis of Dell hardware

\*7-day/24-hour Online Support Services

### Optional Services

\*Premier Enterprise Consulting Services

\*Gold, Silver, and Bronze levels of support available

\*Same-Day, On-Site Response and Repair Services<sup>4</sup>

\*DirectLine™ and DirectLine Plus Software Support Hotlines

\*Remote Console Software configuration questions and "How To" questions are supported via a Software Support Contract which is available through Dell Premier Enterprise Support Services (PESS) Gold, Silver, Bronze (with Software Support option) or DirectLine Plus.

Services vary by region. For more information on the available services in your area, please visit [www.dell.com](http://www.dell.com).

## FEATURES DESCRIPTION

### Mechanical

Height: 1.72 in. (4.45cm)  
Width: 17.00 in. (43.18cm)  
Depth: 11.00 in. (27.94)  
Weight: 8 lbs. (3.6 kg) without cables

### Environmental

Operating Temp: 32 to 104 degrees F (0 to 40 degrees C)  
Storage Temp: -4 to 158 degrees F (-20 to 70 degrees C)

### Power

Operating Voltage: 100 to 240 VAC  
Power Frequency: 50 to 60 Hz Auto Sensing  
Input Power: 40W Maximum

### Supported Hardware

Computers: PS/2  
Monitors: VGA, SVGA (XGA, XGA II with adaptor) Maximum Resolution  
Local Port: 1600 X 1200 at 75 Hz, Digital Port Maximum: 1280 X 1024 at 75 Hz

### Ports

One local console connection UIA 15 pin SVGA monitor, PS/2 Mouse, PS/2 keyboard  
One 10/100 Ethernet network connection, provides access to KVM switch for two simultaneous users via TCP/IP

Sixteen CAT 5 system connections (RJ45 jacks) provides connectivity for 16 systems via standard CAT5 UTP cable

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<sup>1</sup> Results are according to mfr specs and field use.

<sup>2</sup> For a copy of our guarantees or limited warranties, please write Dell USA L.P., Attn: Warranties, One Dell Way, Round Rock, TX 78682. For more information, visit [www.dell.com/us/en/gen/services/service\\_service\\_plans.htm](http://www.dell.com/us/en/gen/services/service_service_plans.htm).

<sup>3</sup> Service may be provided by third-party. Technician will be dispatched if necessary following phone-based troubleshooting. To receive next business day service, Dell must notify the service provider before 5pm (depending on service contract) customer time. Availability varies.

<sup>4</sup> Service may be provided by a third-party provider under contract with Dell. Technician will be dispatched if necessary following phone-based troubleshooting. For 7x24 service, Dell will dispatch a service technician within 4 hours of determining the hardware problem. For 5x10 service, Dell will dispatch a technician to the customer site within 4 hours of determining the hardware problem. The service technician may not arrive until the following business day if dispatched after 4:00 pm local time. Available within a 125-mile radius of over 80 metropolitan areas. Customers not located within a 125-mile radius of the stocking locations are not eligible for this offering. Not available with any other Dell systems. Available in the U.S. only.

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