

Dell PowerEdge 180AS and 2160AS Console Switches

The Dell™ PowerEdge™ 180AS and 2160AS KVM console switches deliver the hands-on flexibility to manage multiple servers — across virtually any platform — using Keyboard, Video and Mouse commands from a single workstation.



Dell 180AS Console Switch



Dell USB Server Interface Pod (SIP)



Dell PS/2 Server Interface Pod (SIP)



Dell 2160AS Console Switch



Optional Accessory: Dell Port Expansion Module

Product Background and Overview

With the Dell 180AS and 2160AS console switches, server administrators can monitor and control multiple servers with ease. Designed to increase productivity, the switches help ensure that IT resources are fully utilized — allowing the business to reap maximum returns from critical technology investments. The 180AS is a multi-platform solution with 8 inputs, while the 2160AS has 16 inputs. By attaching additional expansion options to the system, administrators can achieve true pay-as-you-grow scalability in the corporate data center.

Dell's PowerEdge console switches provide simple, reliable and convenient control across all major server platforms. Administrators can use keyboard, video and mouse (KVM) commands to centrally manage servers from an intuitive user interface. The switches deliver a significant reduction of cable volume as well as powerful on-screen management for easy system configuration. The 2160AS also supports up to two simultaneous users, which saves time, energy and management costs.

Both switches are rack-mountable for flexible connectivity in the data center. They feature 8 or 16 CAT 5/RJ-45 ports for full-featured KVM management. Through the local ports, administrators can obtain enhanced video quality of 1024 x 768.

Highlighted Features

The console switches come with a choice of two Server Interface Pods (SIPs) — PS/2 or USB — to fit a variety of server needs. A SIP replaces a bulky KVM cable by converting the keyboard, monitor and mouse signals from a server and driving them up to 15 meters (50 feet) 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 the server working properly with or without connectivity to the unit.

The switches enable cross-platform management using the On-Screen Configuration and Activity Reporting (OSCAR®) interface. With the OSCAR interface, administrators can easily configure the switch system and select the different servers. Computers can be identified by unique name, electronic ID (EID) or port number, allowing users to assign unique server names.

An optional accessory to these units is the Dell Port Expansion Module (PEM), which is a passive device that can be mounted next to the railing of the rack. A PEM connects to one system port on the switch and then 8 servers. With a PEM connected to each of the 8 ports on the 180AS, the total system capacity of a 180AS expands to 64 total servers. Meanwhile, attaching a PEM to each of the 16 ports on the 2160AS will expand the total system capacity to 128 servers.

Other highlights include:

Connectivity — features intelligent analog ports; **Flash Upgradeable** — designed for future hardware compatibility; **Flexibility** — provides access and control of multiple servers from a single screen; **Integration** — works with wireless KVM (local port extension) and KVM over IP (cascading/tiering); **Scalability** — grows with an expanding IT environment; **Space-Efficient Design** — occupies 0U in a Dell Rack; and **CAT 5 Cabling** — reduces cable bulk





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DELL ENTERPRISE SERVICES

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FEATURES

DESCRIPTION

Mechanical

Height:	1.72 in. (4.36 cm)
Width:	16.9 in. (42.9 cm)
Depth:	6.52 in. (16.56 cm)
Weight:	8 lbs. (3.6 kg) without cables

Environmental

Operating Temp:	50 to 122 degrees F (10 to 50 degrees C)
Storage Temp:	-4 to 140 degrees F (-20 to 60 degrees C)
Heat Dissipation:	92 BTU/Hr

Power

Operating Voltage:	100 to 240 VAC Auto Sensing
Power Frequency:	0 to 60 Hz
Power Consumption:	12.5 W
Input Power:	40 W Maximum
Current Rating:	0.5A

Supported Hardware

Computers:	PS/2 and USB
Monitors:	VGA
Local Port:	1024 X 768 at 75 Hz
Cabling Options:	PS/2, USB, Sun and Serial using Avocent™ AVRIQ cables
Input Cable:	18 AWG three-wire cable with a three-lead IEC-320 receptacle on the power-supply end and a country- or region-dependent plug on the power resource end

Ports

One (180AS) or two (2160AS) local console connection(s) via 15-pin VGA monitor, PS/2 mouse and keyboard
One serial RS232 network connection, provides access to KVM switch for up to two simultaneous users
Eight or 16 CAT 5 system connections (RJ-45 jacks) provide connectivity for systems via standard CAT5 UTP cable

180AS	2160AS	SIP	PEM
sku# 221-8096	sku# 221-7994	PS/2 sku# 310-1924	sku# 310-1925
Legend Code: 8PKVMA	Legend Code: 16PKVM	USB sku# 310-5680	customer kit sku

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