

DELL™ SERVER RACK INFRASTRUCTURE 1U KMM RACK CONSOLE



Dell's commitment to large enterprise customers includes offering the infrastructure and accessories that companies need to complement their server installation. The 1U keyboard, monitor, and mouse (KMM) rack console offers IT managers the ability to install a single, integrated user console in a slim 1U (1.75") form factor.

The Dell 1U KMM rack console enables you to mount a system administrator's control station directly into a rack enclosure while consuming minimal rack space. Combining a height-adjustable 17-inch flat-panel (17FP) LCD screen with a specially designed keyboard that incorporates a touchpad mouse, this unit can be attached to keyboard, video, and mouse (KVM) console switches to manage the setup, administration, and maintenance of multiple rack-mount servers.

FEATURES

The Dell 1U KMM rack console provides more flexibility in rack installation, regional keyboards to support multiple languages, and updated ENERGY STAR® compliance with improved power dissipation specifications. The interface for the keyboard with touchpad mouse provides ease of use and interchangeability with USB and PS/2 connections.

EASE OF INSTALLATION

The KMM console fits easily into the Dell PowerEdge™ 2420 and 4220 racks, as well as the previous generation PowerEdge 2410 and 4210 racks and third-party racks that meet the EIA-310-D specification. Compatibility with the 1U rack-mount sliding rail kit enables quick installation in a rack. The console is offered with RapidRails™ kit for tool-less installation in Dell or third-party square-hole racks; it can also be ordered with VersaRails™ kit for tooled installation in third-party racks with unthreaded round holes or square holes.

The KMM console supports multiple enterprise configurations. It can be connected directly to the keyboard, video, and mouse (KVM) ports on a single rack-mounted server for a simple one-to-one interface. It can also be attached to a rack-mounted KVM console switch, such as the Dell PowerEdge 2321DS, which supports up to 32 servers. A console switch maintains the electrical connection to each server as the KMM rack console is switched by the KVM among the connected systems. The KMM can also provide access to servers which are connected by a cascaded console switch in 2-tier architecture, interfacing through both KVM ports in the path.



REGIONAL SUPPORT

Dell provides user accessibility for multiple geographic regions. The KMM console can be configured for multiple keyboard options and power cords to meet regional needs. Keyboard language options include English (both US and UK versions), French, Spanish, German, Chinese (Simplified and Traditional), Korean, and Japanese. The keyboard is easily positioned in the tray and connected to the server or KVM with the cable which provides the option for either USB or PS/2 interface.

The IEC C13 to C14 power cord is pre-installed on the unit and allows for connection to current and legacy power distribution units (PDUs). NEMA and INMETRO cords are also supported for some regions. If an alternate cord is required, the IEC cord can be easily changed with an alternate power cord with a female C13 connector or extended by attaching another cord to the C14 connector.

ENERGY STAR COMPLIANCE

Dell continues to focus on reducing power consumption and expanding green IT infrastructure. The 17FP monitor is now ENERGY STAR 5.0 compliant for the display specification (improved from ES4.1), and the power adapter is now compliant to the ENERGY STAR 2.0 specification for its product category (improved from ES1.1). The enhancements to the 17FP monitor have reduced the maximum power dissipation by 50%, down to 20W, compared to the previously shipped version of the 17FP KMM product.

Technical Specifications		
Height (Rack Units)	1U	
Maximum console dimensions (width x depth x height)	450.0mm x 834.0mm x 44.45mm(17.7 inches x 32.8 inches x 1.75 inches)	
17FP Monitor		
Maximum Power Usage	20W	
Display Type	Active Matrix Liquid Crystal Display (AMLCD)	
Flat Panel Technology	Supports 28 VESA modes, VESA DPMS power management, and plug and play function	
Diagonal Viewable Image	17 inches	
Display Active Area	337.9 mm x 270.3 mm (13.3 inches x 10.64 inches)	
Pixel Pitch	0.264mm	
Monitor physical size (width x depth x height)	358.5 mm x 175 mm x 296.5 mm (14.1 inches x 0.689 inches x 11.67 inches)	
Weight (LCD Panel only)	2.0 kg (4.41 lbs)	
Auto-ranging power supply	AC input allows for automatic operation at between 100V – 240V,50/60Hz, 1.2A Output DC12V, 3.33A	
Input Device		
Input Device	Keyboard, Touchpad	
Keyboard Layout	96 key layout with 129-key functionality	
Touchpad	Integrated 39.8 mm (vertical) X 53.5 mm (horizontal) Touchpad	
Mouse Buttons	2 Mouse Buttons	
Input Device Interfaces	Single USB connector for both Keyboard and Touchpad; PS/2 connector for Touchpad (USB to PS/2 adapter available for Keyboard)	
Rail Options		
RapidRails™	Tool-less mounting for square-hole racks	
VersaRails™	Tooled mounting in unthreaded round-hole racks	
Ordering Information (US)		
	Rails	SKU
Rack accessory (order with rack)	RapidRails™	310-9961
Customer kit (order separately)	RapidRails™	310-9962
	VersaRails™	310-9963

THE 1U KMM RACK CONSOLE INCLUDES:

- 17-inch LCD Monitor
- Keyboard with Touchpad Mouse
- Choice of RapidRails or VersaRails

FOR MORE INFORMATION DELL.COM/POWEREDGE/RACK

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