Dell 1U Rackmount LED Console

Manage your servers while saving valuable rack space

Dell continues its commitment to large enterprise customers by offering the infrastructure and accessories you need to complement your server installation. A keyboard, monitor, and mouse (KMM) rack console offers IT managers the ability to install a single, integrated user console.

The Dell™ 1U rackmount LED console (model number: FPM185) provides a system administrator's control station mounted directly into a rack enclosure in a slim 1U (1.75-inch) form factor. Combined with an 18.5-inch flat-panel LED screen and a specially designed keyboard and touchpad mouse, this KMM can be mounted in the same rack U-location with any currently shipping Dell KVM (keyboard, video, and mouse) console switch to manage the setup, administration, and maintenance of multiple rackmounted servers.

Ease of installation

The KMM console fits easily into the Dell PowerEdge™ xx20 family of racks, as well as the previous generation PowerEdge 2410 and 4210 racks and third-party racks that meet the EIA-310-E specification. Compatibility with the 1U rackmount sliding rail kit enables quick installation in a rack. The console rail kit uses the ReadyRails™ II interface for tool-less installation in Dell or 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 ports of a single rackmounted server for a simple one-to-one interface, or it can be attached to a rackmounted Dell KVM console switch, such as the Dell PowerEdge 4322DS, which supports up to 32 servers. A KVM 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 console can also share its 1U space with any of the currently shipping Dell KVMs.

Better for the environment

The Dell 1U rackmount LED console uses an LED-backlit display and is eco-friendly. Unlike the typical LCD console that uses a display backlit by CCFLs (common cathode florescent lamps), the LED console is free of mercury vapor. The console is also RoHS compliant.

Regional support

Dell provides user accessibility for multiple geographic regions. The KMM console can be configured for multiple keyboard options and jumper cords to meet regional needs. Keyboard language options include English (both US International and UK versions), French, Spanish, German, Chinese (Simplified and Traditional), Korean, and Japanese. The keyboard and mouse touchpad are connected to the server or KVM through a cable with a USB interface.

The IEC C13 to C14 jumper 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 replaced with an alternate jumper cord with a female C13 connector or extended by attaching another cord to the C14 connector.

Key differentiators

The FPM185 has two USB 3.0 compliant pass-through ports, which provide faster data transmission between the KMM and connected USB devices. The 18.5-inch widescreen display supports both legacy server video modes and widescreen video modes. The FPM185 rail kit enables tool-less installation for a typical deployment completed within minutes. The touchpad mouse has palm rejection technology that allows users to rest their palms on the touchpad without causing cursor jumps or page skips.

Features

The 1U KMM rack console provides tool-less rack installation, regional keyboards to support multiple languages, and an LED-backlit widescreen 16:9 monitor. The interface for the keyboard with touchpad mouse provides ease-of-use through a single USB connection.

FPM185	Technical specifications	
Height (rack units)	1U	
Shipping package dimensions (width x depth x height)	29.5″ x 8.5″ x 23″	
Minimum EIA flange sharing depth (for sharing 1U rack space with Dell KVM)	27.76″ (705.1 mm)	
Rail adjustability range without KVM	Square hole rack:	604 mm – 900 mm
	Round hole rack:	590 mm – 893 mm
	Threaded hole rack:	604 mm – 914 mm
Rail adjustability range with KVM	Square hole rack:	705 mm – 900 mm
	Round hole rack:	691 mm – 893 mm
	Threaded hole rack:	705 mm – 914 mm
18.5-inch LED monitor		
Maximum power usage	Less than 20W	
Display type	18.5″ LED-backlit a-Si TT LCD module	
Flat panel technology	1366 x 768 WXGA screen with VGA connection	
Diagonal viewable image (height x width)	409.8 mm x 230.4 mm	
Display active area	470.1 mm	
Pixel pitch	300 (per one triad) x 300	
Monitor physical size (width x depth x height)	430.4 mm x 9.9 mm x 254.6 mm	
Weight (LED panel only)	1.29 kg	
Auto-ranging power supply	Input: 110 – 240 V~	
Input device		
Input device	Integrated keyboard and touchpad	
Touchpad	Integrated 80 mm x 45 mm touchpad with palm rejection technology	
Mouse buttons	2 mouse buttons	
Input device interfaces	USB connector for both keyboard and touchpad	
Rail interface		
ReadyRails™ II	Tool-less mounting for square-hole and unthreaded round-hole racks and tooled mounting for threaded round-hole racks	
Ordering configurations		
Ordered as rack accessory	When KMM sold with a Dell rack	
Ordered as KVM accessory	When KMM sold with a Dell KVM	
Ordered as KMM customer kit	When KMM sold as a stand-alone kit	
Ordered as KVM accessory + KVM brackets	When KMM sold with a Dell KVM with the intent to deploy both KMM and KVM in the same 1U of the rack	
Order standalone KVM brackets kit	When the customer has the KMM and Dell KVM and wants to install the KMM/KVM in the same 1U of the rack	

Global services and support

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