PRIMERGY / PRIMEPOWER KVM S2 Console Switch

Issue   December 21, 2004

Pages   2

A new generation of console switches

Highlights

- 8- and 16-port switch for system consoles
- Occupies just a single height unit in a rack
- End-to-end CAT5 connections
- Multi-platform switch
- Firmware flash-upgradeable
- PS/2, USB or SUN IO interface
- DDC2B compatible
- Requires only a single height unit
- Keep-alive function
- Many supported input devices
- May be combined with existing ES+, KS04/08 or DS1800 switch systems
- One respectively two local consoles or one local plus one re-mote console (via IP)
- Advanced on-screen management for configuration and server selection
- Client-based GUI for remote access
- Password protection and other means of access control
- Remote access secured by SSL encryption

Accessories

KVM S2 adapter 1 x USB + 1 x VGA
KVM S2 adapter 2 x PS/2 + 1 x VGA
KVM S2 adapter 1 x SUN IO + 1 x VGA (only PRIMEPOWER)

Cables

UTP CAT5 cable blue (2 x RJ45): 2m, 5m and 10m, also customized lengths for factory installation

Positioning

The PRIMERGY / PRIMEPOWER S2 console switches represent a solution positioned between simple mechanical and high-end digital console switches for rack integration. With the S2 series, up to 16 servers can be operated with up to two consoles in non-blocking mode, locally or in a remote connection (via IP, 10/100 Mbit/s), depending on switch model. In blocking mode, with cascaded switches, up to 256 servers can even be operated. Blade servers from Fujitsu Siemens are supported in the same way.

The S2 console switches are independent of the server platform and operating system. Both PS/2 and USB interfaces from the servers are accepted, as are SUN IO connections, with the result that mixed configurations with PRIMERGY and PRIMEPOWER servers in one rack can be maintained from one console.

The S2 console switches are primarily designed for rack integration. They round off the 19" technology portfolio and are indispensable for cluster configurations and server farms. The advantages – cost reductions and avoidance of multiple monitors and keyboards – are obvious.

S2 console switches and other Fujitsu Siemens console switches can be combined.

Technical data

KVM S2-1602

Installation format:	Rack-optimized, 1U
Number of ports:	16
Console connections:	Two local consoles
Supported displays	XGA, VGA, up to 1280 x 1024 pixels, max. 75 Hz
Supported keyboards:	All PS/2 keyboards
Supported mouse systems:	PS/2 mouse, Microsoft Explorer mouse, Microsoft IntelliMouse family, IBM Scrollpoint, Logitech Mouseman Wheel, Logitech Trackman Marble Wheel, Logitech Marble FX and Kensington 4 button mouse
Server selection:	By Advanced On-Screen Management (OSD)
Configuration:	By Advanced On-Screen Management (OSD)
OSD languages:	US English, German, French, Spanish, Italian and Japanese
Color coding:	VGA and PS/2 according to PC99
Dimension (H x W x D)	4.32 x 43.18 x 16.51 cm (1.70 x 17.00 x 6.50 in)
Weight	3.6 kg without cable
Rated voltage	100-240 VAC, 50-60 Hz
Max. effective power	40 W

KVM S2-0801

Installation format:	Rack-optimized, 1U
Number of ports:	8
Console connections:	One local console
Supported displays:	XGA, VGA, up to 1280 x 1024 pixels, max. 75 Hz
Supported keyboards:	All PS/2 keyboards
Supported mouse systems:	PS/2 mouse, Microsoft Explorer mouse, Microsoft IntelliMouse family, IBM Scrollpoint, Logitech Mouseman Wheel, Logitech Trackman Marble Wheel, Logitech Marble FX and Kensington 4 button mouse
Server selection:	By Advanced On-Screen Management (OSD)
Configuration:	By Advanced On-Screen Management (OSD)
OSD languages:	US English, German, French, Spanish, Italian and Japanese
Color coding:	VGA and PS/2 according to PC99
Dimension (H x W x D)	4.32 x 43.18 x 16.51 cm (1.70 x 17.00 x 6.50 in)
Weight	3.6 kg without cable
Rated voltage	100-240 VAC, 50-60 Hz
Max. effective power	40 W

KVM S2-1611

Installation format:	Rack-optimized, 1U
Number of ports:	16
Console connections:	One local console, one remote console via TCP/IP (10/100MBit/s auto sense)
Supported displays:	Local port: XGA, VGA, up to 1600 x 1280 pixels, max. 75 Hz Remote port: 1280 x 1024 pixels, max. 75 Hz
Supported keyboards:	All PS/2 keyboards
Supported mouse systems:	PS/2 mouse, Microsoft Explorer mouse, Microsoft IntelliMouse family, SUN Type 65 and 6
Server selection:	By Advanced On-Screen Management (OSD)
Configuration:	By Advanced On-Screen Management (OSD)
OSD languages:	US English, German, French, Spanish, Italian and Japanese
KVM S2 Client SW	WINDOWS, Linux, Solaris
Remote access:	Via KVM S2 client software
Client software languages:	US English, German, French, Spanish, Italian and Japanese
Color coding:	VGA and PS/2 according to PC99
Dimension (H x W x D)	4.45 x 43.18 x 27.94 cm (1.75 x 17.00 x 11.00 in)
Weight	3.6 kg without cable
Rated voltage	100-240 VAC, 50-60 Hz
Max. effective power	40 W

Compliance with norms and standards

Electromagnetic compatibility

Europe	EN55024, EN61000-3-3, EN55022 Class A
Japan	VCCI Class A
USA/Canada	FCC Class A

Product safety

Global	IEC950
Europe	EN 60950
USA/Canada	UL 1950 CSA 22.2-950

There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons (e.g. for Canada and USA, East European countries, Norway) can be applied for on request.

Cascading

KVM S2-1611 on top of KVM S2-1602 / KVM S2-0801
KVM S2-1602 on KVM S2-1602 / KVM S2-0801
KVM S2-1611 on ES+ (KS04/08)
KVM S2-1602 / KVM S2-0801 on ES+ (KS04/08)
DS1800 on top of KVM S2-1602 / KVM S2-0801 only PRIMERGY