Fsas Technologies
a Fujitsu company

Data Sheet
Analog and Digital KVM console switches

The console switches (Keyboard Video Mouse = KVM) are vital in the operation of cluster configurations and server farms in data centers. They offer a cost-optimized, platform and software-independent solution for rack system integration. Both PS/2 and USB interfaces from servers are supported, resulting in possible mixed configurations with different PRIMERGY servers in one rack.

Analog and Digital KVM console switches
The console switches provide a solution positioned between simple mechanical and high-end digital console switches for rack integration. A maximum of 16 servers can be operated in a rack. locally or with one console in an IP connection (10/100/1000 Mbit/s) depending on the switch model. Cascaded switches up to 256 servers are even possible.
They are also DDC2B compatible. The console switches are primarily designed for integration into 19-inch racks. They round off the 19-inch technology portfolio of Fujitsu servers and are indispensable for the operation of cluster configurations and server farms in data centers. The cost benefits (cutting back on monitor s and keyboards that are otherwise needed) are obvious.
8- and 16-port switch for system consoles that

can be configured to provide connections for up to one local user for analog switches. For one, remote user plus one local user for 16-port digital switches. End-to-end CAT5e/6 connections, firmware flash-upgradability and keep-alive function are provided. Advanced on-screen management for configuration/server selection, client-based GUI for remote access and improved graphics . Virtual Media (VM) and LDAP support for Digital KVM switches. Password protection and remote access secured by SSL encryption.

Main Features	Benefits
Flexible access ■ Access via remote IP or locally	■ More flexible access: one local console for Analog KVM or one local and one remote consoles (via IP) for Digital KVM
Simplified management ■ Advanced on-screen management for configuration and server selection	■ Direct access for administrators or rack users via local console
Access protection ■ Access protection	■ LDAP support for Digital KVM; Password protection and various levels of access control; Remote access secured by encryption
Connectivity ■ USB 2.0, CAT5e/6, RJ-45	■ Multi-platform compliant: USB 2.0, CAT5e/6, RJ-45

Technical details

Technical details

	Analog KVM	Digital KVM
Installation format	Rack-optimized,1U	
Console connections	One local console	One remote-console via TCP/IP (10/100/1000MBit/s auto-sense), One local console
Supported displays	Monitor: VGA, SVGA (XGA, XGA-II with adapter) Monitor: Wide Screen support (WXGA) Local port: up to 1600 x 1200 @60Hz	
Supported keyboards	USB, RC25	
Supported mouse systems	USB, RC25	
Server selection	By Advanced On-Screen Management (OSD)	By Advanced On-Board WEB-Interface (OBWI)
Configuration	By Advanced On-Screen Management (OSD)	By Advanced On-Board WEB-Interface (OBWI)
OSD languages	English, German, Russian, French, Spanish, Japanese, Chinese	
Remote access		On-Board WEB-Interface (OBWI)
KVM client software		Linux, Windows
Browser support (OBWI)		Firefox, Chrome, IE
Client software languages	English, German, Russian, French, Spanish, Japanese, Chinese	
Virtual media support		All with PRIMERGY servers supported USB devices. Only in connection with KVM adapter cable - USB VM.
Released server for virtual media via USB		Servers BIOS has to support "Composite USB2.0" in boot phase.
Color coding	VGA according to PC99	
Dimensions (W x D x H)	424 x 238 x 42.5 mm	424 x 238 x 42.5mm
Weight	2,4 kg without cable	2.6 kg without cable
Rated voltage range	100 V - 240 V	
Rated frequency range	50 Hz - 60 Hz	
Active power (max. configuration)	21 W	16 W

Accessories

Cabling	Cabling hints
	UTP CAT5e/6 cable (RJ45): 2m, 5m and 10m, as well as customized length for ex works installation KVM adapter USB cable
Cascading	Cascading hints
	All Analog KVM switches have Chain IN/OUT ports. The cascading protocol runs via this Chain IN/OUT port and the "master" and "slave" switch are automatically detected and integrated. KVM Cable-Daisy Chain needed for cascading Analog KVM switches. Digital KVM should always be selected as the "master" switch. The local console is also connected to this switch. KVM adapter cable-USB needed for cascading Digital KVM switches
	Analog KVM 8port/16port on top Analog KVM 8port/16port Digital KVM 16port on top of Analog KVM 8port/16port

Order code	Product Name	Server ports	Remote ports	Local ports
S26361-F5644-E108	KVM0108A	8	0	1
S26361-F5644-E116	KVM0116A	16	0	1
S26361-F5644-E196	KVM0116A integration RC25	16	0	1
S26361-F5644-E198	KVM0108A integration RC25	8	0	1
S26361-F5644-E25	RC25 TFT drawer kit			
S26361-F5644-E501	KVM-USB, adapter USB, VGA			
S26361-F5644-E502	KVM-USBVM			
S26361-K1612-V116	KVM1116Q	16	1	1+1 cascading

Approvals & Conformity (Standards)

Germany	VDE
Europe	CE
	EN
USA/Canada	CSAc/us
	FCC Class A
	AULc/us
	ULc/Canada
Global	CB
Japan	VCCI
Russia	EAC
South Korea	KC
Australia/New Zealand	RCM
Taiwan	BSMI
Vietnam	ICT
Compliance link	https://sp.ts.fujitsu.com/sites/certificates

Notes

Compatibility	If and to the extent a list of components or certain compatibilities are specified in the product data sheet, these component lists and compatibility specifications are exhaustive. Using deviating or other system components and applications together with the product may but does not necessarily have to lead to compatibility problems. A final statement and/or commitment on the compatibility of such deviating or other system components and applications can only be provided after a corresponding verification through a dedicated compatibility testing.
Performance	To the extent that specific performance specifications for the product are indicated in the product data sheet, these are usually also dependent on the specific use and workload of the product and may therefore not be reached equally in all application situations. Such performance specifications thus do not represent a specifically agreed characteristic or feature of the product, but only serves as an orientation. The responsibility for a sufficient sizing of the overall system functionality lies solely with the user.
Security	The properties of the product provide a baseline for product security and therefore end-customer IT security. However, these properties are not sufficient on their own to protect the product from all existing threats, such as intrusion attempts, data exfiltration and other forms of cyberattacks. To customize security settings, please use the configuration options as available for the respective product. During operation, the IT security of this product is within the responsibility of the respective administrator/end-user of the product. Please note, that Fsas Technologies Inc. as a manufacturer does not make any policy prescriptions or advocacy statements regarding IT security best practices and/or general product operation.

More information

Fsas Technologies products, solutions & services

In addition to Analog and Digital KVM console switches, Fsas Technologies provides a range of platform solutions. They combine reliable Fsas Technologies products with the best in services, know-how and worldwide partnerships.

Fsas Technologies Portfolio
Built on industry standards, Fsas Technologies offers a full portfolio of datacenter hardware, software and related services. This allows customers to select alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Data Center Solutions
https://www.fsastech.com/en-eu/

More information

Learn more about Analog and Digital KVM console switches, please contact your Fsas Technologies sales representative or Business partner, or visit our website.
www.fujitsu.com/global/products/computing/servers/primergy/racks/

Fujitsu green policy innovation

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Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT.
Please find further information at http://www.fujitsu.com/global/about/environment

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