

# Data Sheet

## FUJITSU Analog and Digital switches Server

Generation of s3/s4 series - software and platform independent

### Analog and Digital switches

The Enterprise Server s3 / s4 console switches provide a solution positioned between simple mechanical and high-end digital console switches for rack integration. With the s3 / s4 series a maximum of 32 servers can be operated in a rack with up to two consoles in non-blocking mode, locally or with one / two consoles in an IP connection (10/100/1000 Mbit/s) depending on the switch model. In blocking mode (with cascaded switches) up to 256 servers are even possible. Blade Servers from Fujitsu are supported in the same way. The Enterprise Server s3 / s4 console switches are multi-platform switches and only require a single height unit. They are also DDC2B compatible. The Enterprise Server s3 / s4 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 monitors and keyboards that are otherwise needed) are obvious. It is planned to combine s3 / s4 switches with other Fujitsu console switches.

8- and 16-port switch for system consoles that can be configured to provide connections for up

to one local user for analog switches or for one, two or four remote users plus one local user for 8-, 16- and 32-port digital switches. End-to-end CAT5 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 (16-bit). Virtual Media (VM) and LDAP support for KVM s4 switches. Password protection and remote access secured by SSL encryption.



Main Features	Benefits
<ul style="list-style-type: none"> <li>■ Access via remote IP or locally</li> <li>■ Advanced on-screen management for configuration and server selection</li> <li>■ Service friendliness</li> <li>■ Can be combined with existing console switches from Fujitsu</li> <li>■ Access protection</li> <li>■ PS/2, USB (1.1 and 2.0)</li> </ul>	<ul style="list-style-type: none"> <li>■ More flexible access: one and two local consoles respectively or one local and one or two remote consoles (via IP)</li> <li>■ Direct access for administrators or rack users via local console</li> <li>■ LDAP support for KVM s3/s4 switches, centrally administrable user management</li> <li>■ Investment protection and seamless extension of existing installations</li> <li>■ Password protection and various levels of access control; Remote access secured by SSL encryption</li> <li>■ Multi-platform compliant and therefore independence from the type of connected</li> </ul>

# Technical details

## Technical details

	KVM s3 Analog	KVM s4 Digital
<b>Installation format</b>		Rack-optimized, 1U
<b>Console connections</b>	One local console	Four remote consoles via TCP/IP (10/100/1000Mbit/s auto sense), Redundant LAN port, One local console
<b>Supported displays</b>	Monitor: VGA, SVGA (XGA, XGA-II with adapter) Monitor: Wide Screen support (WXGA) Local port: up to 1280 x 1024 @75Hz	Monitor: VGA, SVGA (XGA, XGA-II with adapter) Monitor: Wide Screen support (WXGA) Local port: up to 1600 x 1200 @75Hz
<b>Supported keyboards</b>		USB, RC23/24, RC24/RC25
<b>Supported mouse systems</b>		USB, RC23/24, RC24/RC25
<b>Server selection</b>	By Advanced On-Screen Management (OSD)	By Advanced On-Board WEB-Interface (OBWI)
<b>Configuration</b>	By Advanced On-Screen Management (OSD)	By Advanced On-Board WEB-Interface (OBWI)
<b>OSD languages</b>	English, German, French, Spanish, Italian	English, German, French, Spanish, Italian, Japanese
<b>Remote access</b>		Via KVM S4 client software or On-Board WEB-Interface (OBWI)
<b>KVM client software</b>		Linux, Windows
<b>Browser support (OBWI)</b>		Firefox 10x, Microsoft (IE8, IE9, IE11)
<b>Client software languages</b>		English, German, French, Japanese, Italian
<b>Virtual media support</b>		All with PRIMERGY servers released USB 2.0 devices, inclusive boot via USB 2.0 (if supported by server BIOS), Only in connection with KVM s3-adapter USB2.
<b>Released server for virtual media via USB</b>		Servers BIOS has to support "Composite USB2.0" in boot phase.
<b>Color coding</b>		VGA and PS/2 according to PC99
<b>Dimensions (W x D x H)</b>	431.8 x 279.8 x 43.7 mm, 17 x 10.98 x 1.72 in	431.8 x 340 x 43.7mm for 16/32 port, 431.8 x 234 x 43.7 mm for 8 port, 17 x 13.38 x 1.72 in for 16/32 port, 17 x 9.2 x 1.72 in for 8 port
<b>Weight</b>	1,9 kg / 4.2 lbs without cable	3.67 kg without cable
<b>Rated voltage range</b>		100 V - 240 V
<b>Rated frequency range</b>		50 Hz - 60 Hz
<b>Active power (max. configuration)</b>	15 W	40 W

## Accessories

Cabling	Cabling hints
	UTP CAT5 cable blue (2 x RJ45): 2m, 5m and 10m, as well as customized length for ex works installation KVM adapter USB, VGA including CAT5 UTP cable with 2.1m and 3m available
Cascading	Cascading hints
	All analogue KVM S2 switches have a special (ARI) port that is connected to the input of the "master" switch via a CAT5 cable. The cascading protocol runs via this "ARI" port and the "slave" switch is automatically detected and integrated. In remote mode (KVM via IP) a digital switch should always be selected as the "master" switch. The local console is also connected to this switch. KVM s2-PS/2-USB adapter needed for cascading KVM S3 switches
	KVM s4-3242/1622/0812 on top of KVM s3-1601/-0801 KVM s4-3242/1622/0812 on top of KVM s2-1602/-0801 KVM s3-1601/0801 on top of KVM s3-1601/-0801 KVM s3-1601/0801 on top of KVM s2-1602/-0801

<STEPTABLE O="PMod\_84622" OT="Product" TT="stibo.12709947" VC="INT - eng" VO="stibo.10560277" W="Main" />

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**Approvals & Conformity (Standards)**

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<b>Europe</b>	CE EN
<b>USA/Canada</b>	CSAc/us FCC Class B ULC/us
<b>Global</b>	CB
<b>Japan</b>	VCCI
<b>Compliance link</b>	<a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>

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# More information

## Fujitsu platform solutions

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

### Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

### Computing Products

[www.fujitsu.com/global/products/computing/](http://www.fujitsu.com/global/products/computing/)

### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

Learn more about Fujitsu Analog and Digital switches, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
<http://ts.fujitsu.com/Primergy>

## Fujitsu green policy innovation

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