Datasheet

Fiber Optical Switch
1x2 6-channel Web GUI MM

- Purely optical path
- Transparent to data speed
- Protocol independent
- Manual or remote control
- Cost efficient
- Future proof

Description

Evolving media and communication over IP demand high bandwidth network solutions. The switch is a long term solution for these networks since it is protocol independent and transparent to data speed.

The switch can be controlled remotely by Web GUI, command and/or TTL-level. The path through the switch is purely optical, there is no optical to electrical to optical conversion. There is no electrical loss or electrical bandwidth limit on the fiber optical path.

Examples of applications

- Optical protection
- Test systems
- Remote reconfigurable add-drop multiplexers
- Remote provisioning of FTTH and dark fiber
- Disaster recovery
- Re-routing
- Restoration of communication

Features

- Purely optical path
- Transparent to data speed
- Protocol independent
- Management via Web GUI, command (RS232/TTL)
- HTTPS/SSL support
- Redundant power supply (optional)

Customization

The Fiber optic switch is a product developed and made by Fibersystem and can be customized depending on customer needs.

Fibersystem AB is an inventive Swedish company who since 1982 has been working with the application of fiber optic technology in the delivery of solutions fulfilling the customers' multitude of needs.

Product categories:
- Secured systems for defence and government organisations
- Fiber optical communication solutions

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Fiber Optical Switch 1x2 6-channel Web GUI MM

WEB GUI

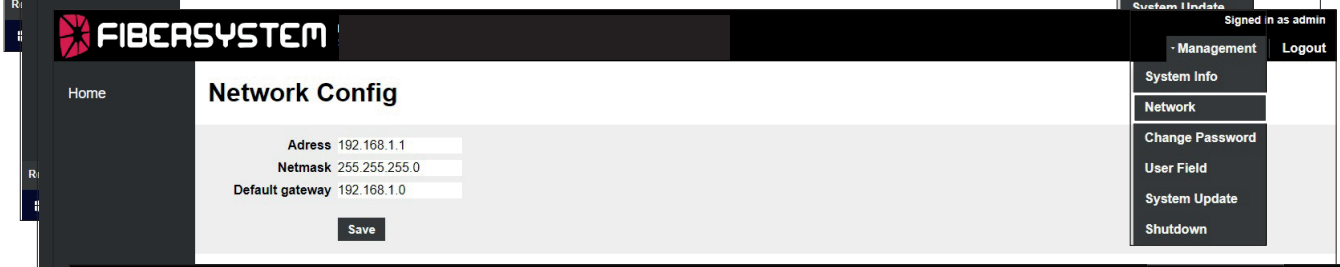
1. Admin Login
2. Management Options
3. System Info
4. Network Config
5. Change Password
6. Custom User Field
7. System Update
8. Port Select

1

2

3

4



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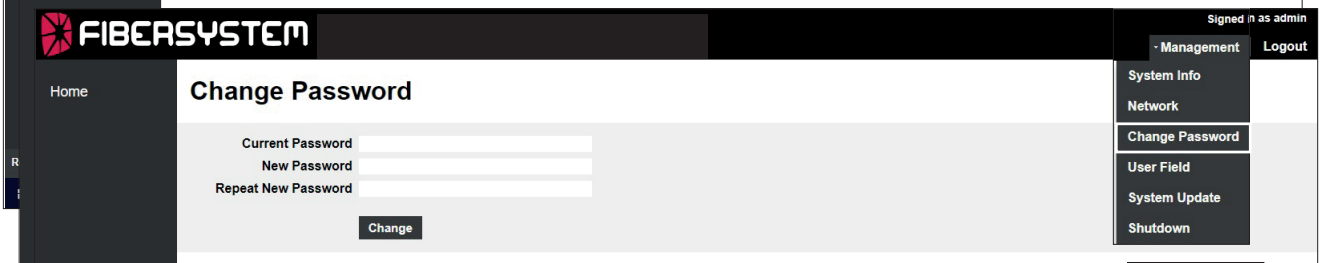

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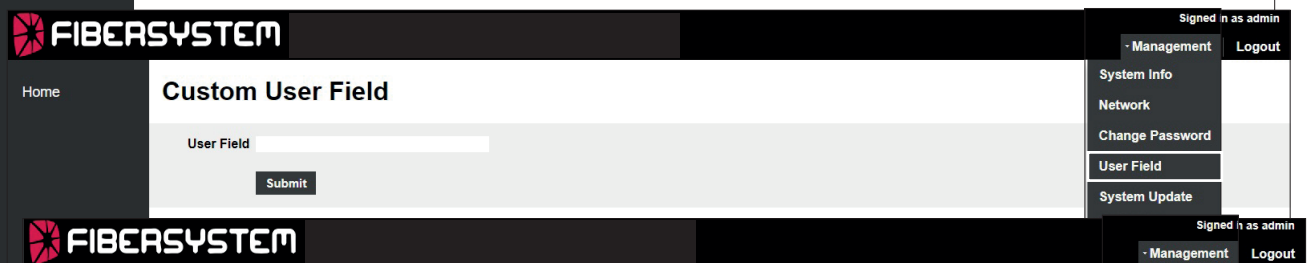

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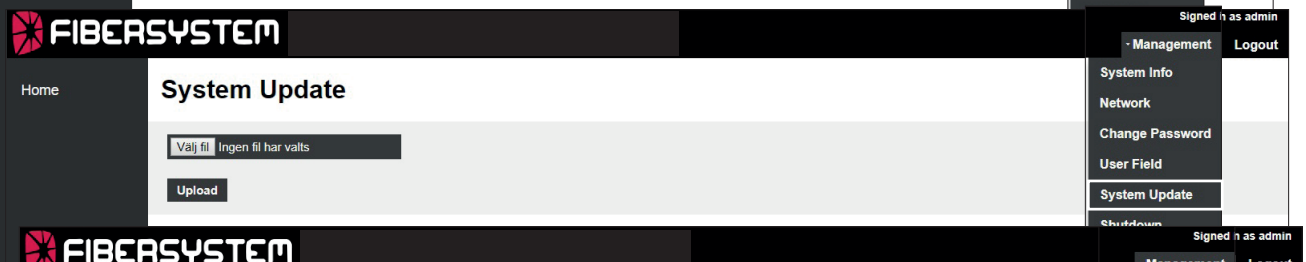

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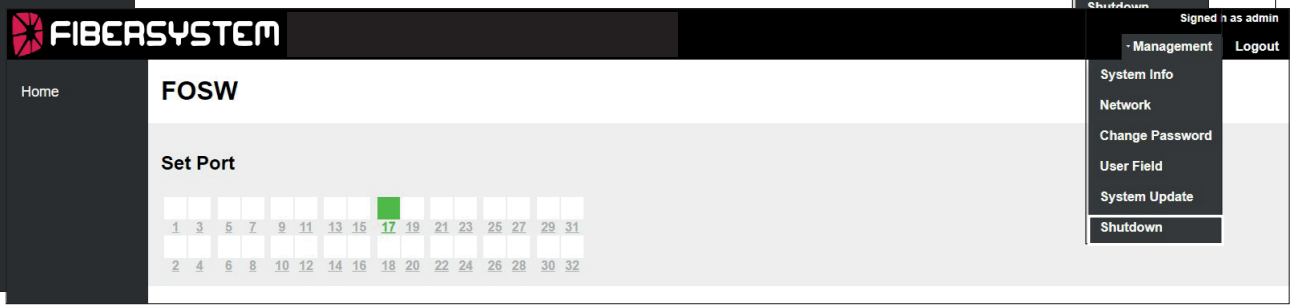

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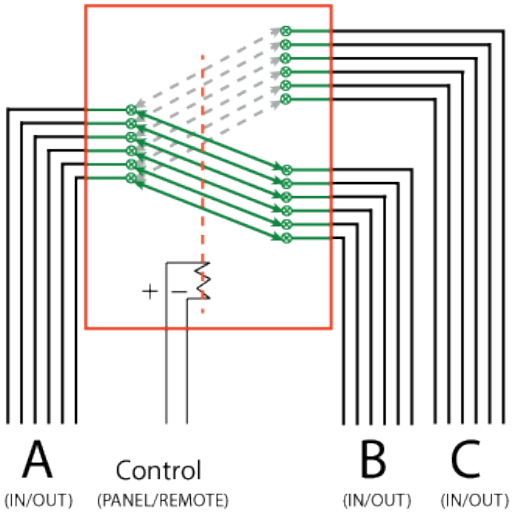
Technical data

The illustration shows the concept of latching between channels

The fiber connection is physically moved to connect with the chosen channel

2 channel = 1 LC Duplex connector



Customization

The Fibersystem Fiber Switch is a product developed by Fibersystem and made in Sweden. Hence we can customise the product depending on customer needs and guarantee a long product cycle.

Connections

Optical	Multimode 125 µm, wavelength independent
Optical channels in/out	6 x LC Duplex
Optical channels in/out	6 x LC Duplex + 6 x LC Duplex
Insertion loss typical	<0.3 dB
Crosstalk	-80 dB
Repeatability	±0.1 dB
Switching time	3.5 ms
Durability	30 000 000 cycles

Security

HTTPS/SSL	Secure communication over a computer network is supported. The communication protocol can be encrypted using HTTPS/Secure Sockets Layer (SSL).

Power

Power connector	IEC60320
Power supply	100-240 VAC 50/60 Hz or 48-250 VDC ±20 %
Power max	25 W
Optional	Redundant power supply

Controller

Connector	RJ45

Mechanical data and environment

Cabinet dimensions (HxWxD)	45 x 483 x 173 mm
Weight	3 kg
Operating temperature	0 to 70 °C
Relative Humidity	10-80 %RH

Ordering information

Product number	Description
60-00-7334	Fiber Optical Switch 1x2 6-channel Web GUI MM
60-00-7389	AC/DC Slim Power Module 19” (Optional Redundant Power Supply)

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