



Fiber Optical Switch 1x2 2-channel WebGUI MM

- Purely optical path
- Transparent to data speed
- Protocol independent
- Management Web GUI, command and TTL-level
- Future proof
- Redundant power supply (Optional)

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 (Web GUI). 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
- Manual or remote control, uses software
- API commands to web server to operate switching
- Management Web GUI, command and TTL-level (see next page)
- HTTPS/SSL support
- Redundant power supply (Optional)
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Customization

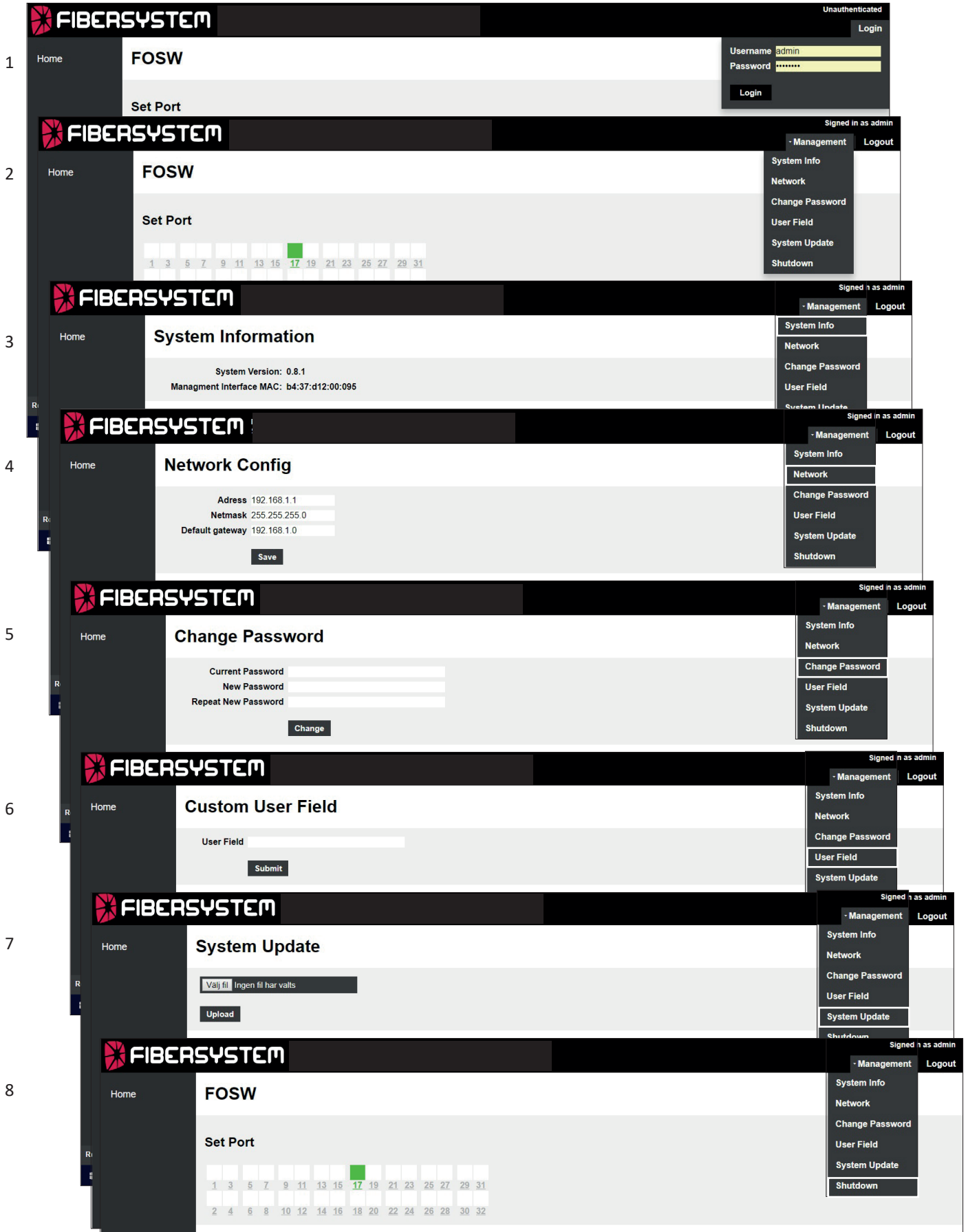
The Fiber optic switch is a product developed and made by Fibersystem and can be customized depending on customer needs.

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

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



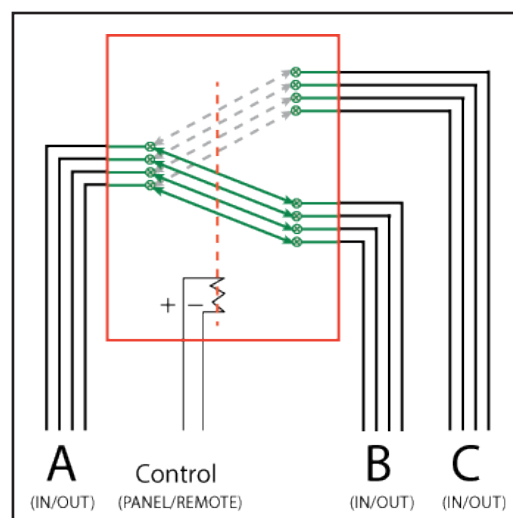
The screenshots illustrate the following steps in the FIBERSYSTEM Web GUI:

- Admin Login:** The user enters 'admin' as the username and a masked password to log in.
- Management Options:** After logging in, the user is directed to the main dashboard, which includes a 'Set Port' button and a calendar interface.
- System Information:** The user navigates to the 'System Info' page, displaying details such as 'System Version: 0.8.1' and 'Management Interface MAC: b4:37:d12:00:095'.
- Network Config:** The user accesses the 'Network Config' page, where they can configure the 'Address' (192.168.1.1), 'Netmask' (255.255.255.0), and 'Default gateway' (192.168.1.0).
- Change Password:** The user goes to the 'Change Password' page, providing their 'Current Password', 'New Password', and 'Repeat New Password'.
- Custom User Field:** The user navigates to the 'Custom User Field' page, where they can enter a value into the 'User Field'.
- System Update:** The user accesses the 'System Update' page, which features a file upload area with a 'Välj fil' button and an 'Upload' button.
- Port Select:** The user returns to the main dashboard to use the 'Set Port' button, which opens a calendar for selecting a specific port.

The illustration shows 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 life cycle.

Connections

Optical	Multimode 125 µm, wavelength independent
Optical channels in/out	2 x LC Duplex
Optical channels in/out	2 x LC Duplex + 2 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).
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Power

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

Controller

Connector	RJ45
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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	Model	Description
60-00-7574	94-100	Fiber Optical Switch 1x2 2-channel WebGUI MM
60-00-7389		AC/DC Slim Power Module 19" (Optional Redundant Power Supply)