



Fiber Optical Switch 1x32 2-channel WebGUI MM

Description

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

The Fibersystem Fiber Switch can be controlled remotely or through a front panel switch. The optical 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 optic path.

Remotely operated switching

The Fibersystem fiber switches can be configured with remotely operated switch functionality. It is a combined remote switch and management functionality, running a built-in processor with operating system and a mini web server. By invoking software calls to the web server, the switch can be operated as desired.

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

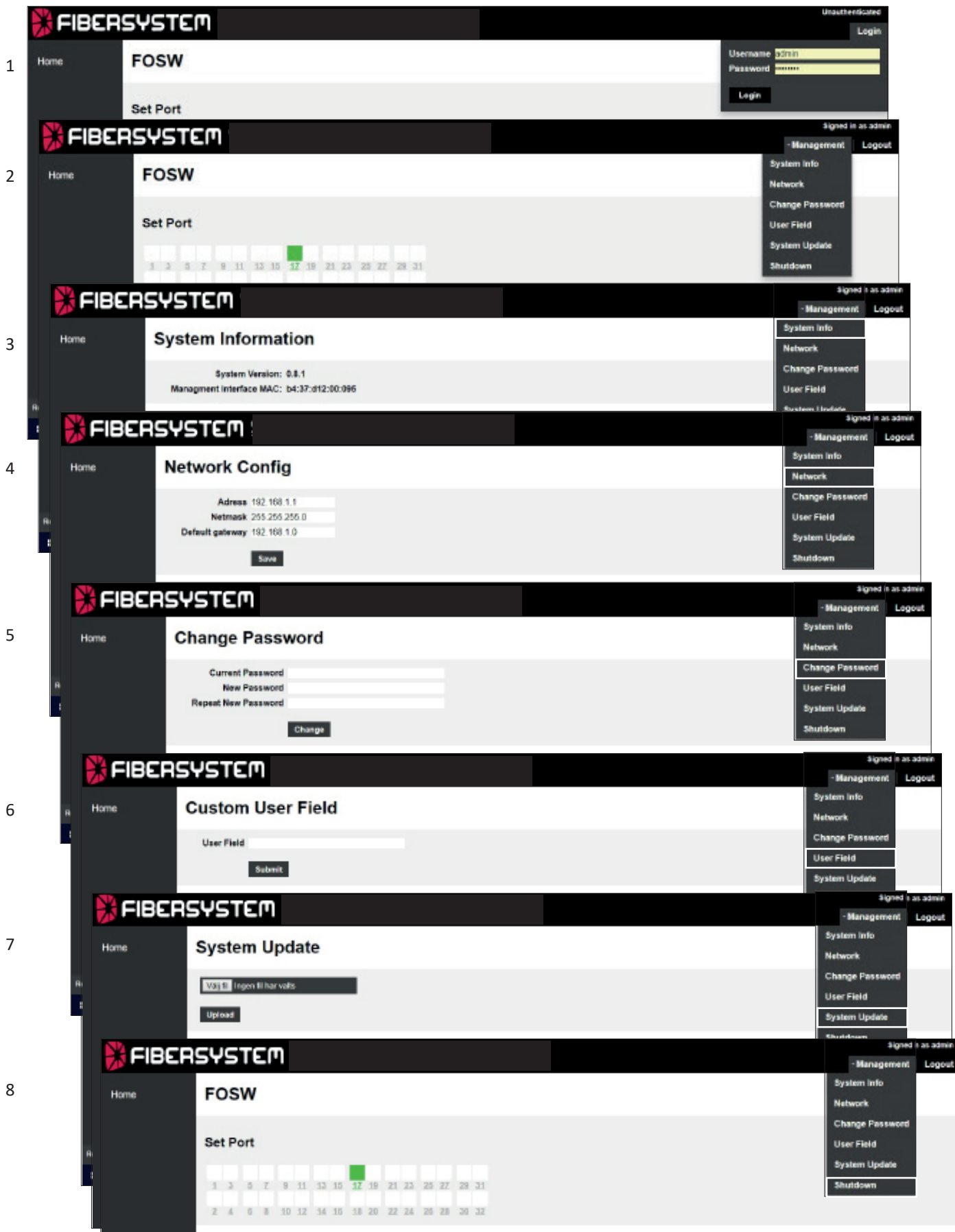
- Purely optical path
- Transparent to data speed
- Protocol independent
- Manual or remote control, uses software calls to webserver to operate switching
- Management Web GUI, command and TTL-level (see next page)
- Cost efficient
- Future proof
- Redundant Power Supply (optional)

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:

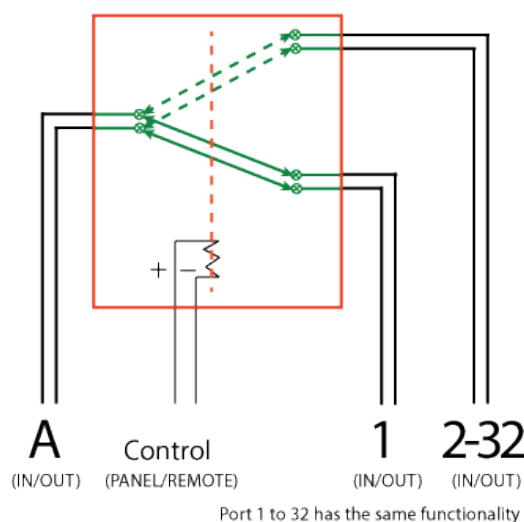
- Secured systems for defence and government organisations
- Fiber optic communication solutions

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 collage displays the FIBERSYSTEM Web GUI interface across eight numbered screenshots:

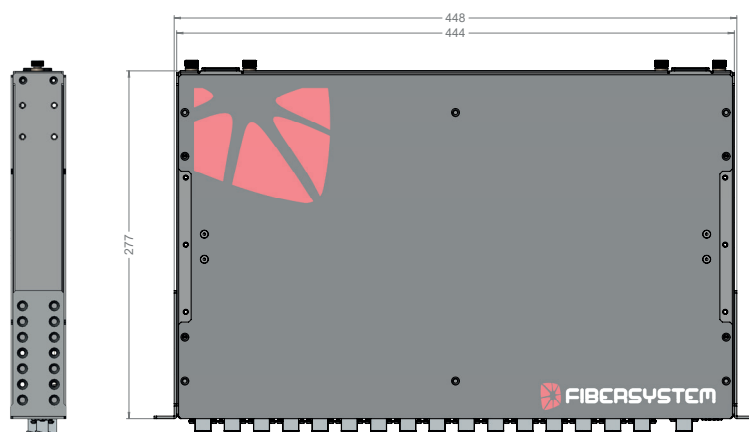
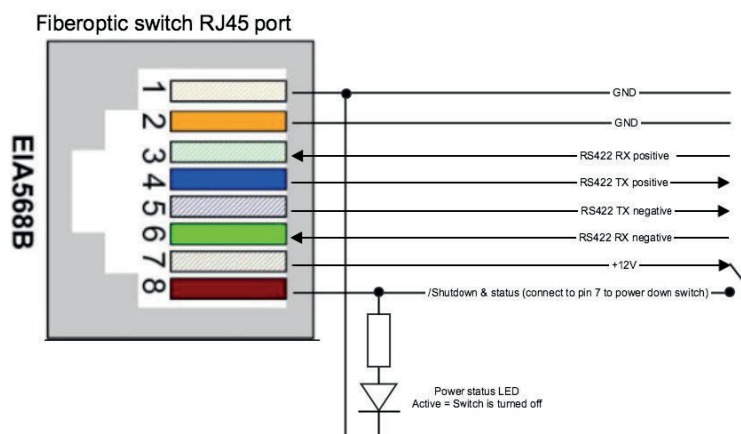
- 1. Admin Login:** Shows the login page with fields for Username (admin) and Password, and a Login button. The status is 'Unauthenticated'.
- 2. Management Options:** Shows the home page with a 'Set Port' button and a dropdown menu for management options: System Info, Network, Change Password, User Field, System Update, and Shutdown. The status is 'Signed in as admin'.
- 3. System Info:** Shows the 'System Information' page with details like System Version: 0.8.1 and Management Interface MAC: b4:37:d12:00:096. The status is 'Signed in as admin'.
- 4. Network Config:** Shows the 'Network Config' page with fields for Address (192.168.1.1), Netmask (255.255.255.0), and Default gateway (192.168.1.0), and a Save button. The status is 'Signed in as admin'.
- 5. Change Password:** Shows the 'Change Password' page with fields for Current Password, New Password, and Repeat New Password, and a Change button. The status is 'Signed in as admin'.
- 6. Custom User Field:** Shows the 'Custom User Field' page with a User Field input and a Submit button. The status is 'Signed in as admin'.
- 7. System Update:** Shows the 'System Update' page with a file upload field and an Upload button. The status is 'Signed in as admin'.
- 8. Port Select:** Shows the 'Set Port' page with a grid of port numbers (1-32) and a dropdown menu for management options. The status is 'Signed in as admin'.



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.



Connections

Optical	LC Multimode 850/1300 nm
Optical channels in/out	1 x LC Duplex
Optical channels in/out	32 x LC Duplex
Insertion loss typical	0.9-1,6 dB
Crosstalk	-80 dB
Switching time	3.5 ms
Durability	30 000 000 cycles

Power

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

Mechanical data and environment

Cabinet dimensions (HxWxD)	44 x 444 x 227 mm
Weight	3 kg

Remote control

Connector	RJ45
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Customization

The Fibersystem Fiber optic 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.

Ordering information

Product number	Model	Description
60-00-7338	94-100	Fiber Optical Switch 1x32 2-channel WebGUI MM
60-00-7389		AC/DC Slim Power Module 19" (Optional Redundant Power Supply)