

# OFSW - 1 × 8 Optical Fiber 1 × 8 Switch

## PRODUCT DESCRIPTION

OFSW- 1 × 8 is a 1 × 8 prism optical switch. It can support 1 optical fibers input and 8 fiber output, channel switch. Wide operating wavelength range, low insertion loss and speedy switching rate, can use network trends configuration, network monitor and lab application.

OFSW- 1 × 8 has three operator mode:

1, Manual mode:

Through interface and network, proceeding gallery switch real time, fiber route, wavelength management etc.

2, One way or circulate automatic scanning:

By setting time series, proceeding single way or circulate automatic scanning, as network detection.

3, Automatic mode:

Automatic selection channel that accord with users' requirement (eg: power range).

OFSW- 1 × 8 has 19" rack and 2U desk-type two chassis appearance, 2U desk-type applies to lab application. LCD located at front panel provide all unit' s working parameters and current operator scheme. RS232 interface and RJ45 ethernet interface, for SNMP, remote management and control.

## PRODUCT FEATURES

- ▶ Wide wavelength range
- ▶ Low insertion loss
- ▶ Low polarization-dependent loss
- ▶ Fast switching speed
- ▶ Low switch cross talk
- ▶ User-definable thresholds and hysteresis
- ▶ User-selectable revertive and non-revertive
- ▶ SNMP supporting remote management and monitoring
- ▶ High stability & reliable



## MAIN APPLICATION

- ▶ Network Monitoring and Switching
- ▶ Network Protection and Restoration
- ▶ Instrument, Testing and Measurement

## TECHNICAL INDEX

| Performance     |                            |       | Index          |      |      | Supplement      |
|-----------------|----------------------------|-------|----------------|------|------|-----------------|
|                 |                            |       | Min.           | Typ. | Max. |                 |
| Optic feature   | Wavelength range           | (nm)  | 1528           |      | 1620 | OFSW-1×8-□-□-7  |
|                 |                            |       | 1260           |      | 1620 | OFSW-1×8-□-□-8  |
|                 | Insertion loss             | (dB)  |                | 2.0  | 2.5  |                 |
|                 | Return loss                | (dB)  | 55             | 60   |      |                 |
|                 | Switch cross talk          | (dB)  | 55             | 60   |      |                 |
|                 | PDL                        | (dB)  |                |      | 0.2  |                 |
|                 | Switching time             | (mS)  |                |      | 20   |                 |
|                 | Fiber type                 |       | 9/125          |      |      |                 |
| General feature | Optical connector          |       | FC/UPC, FA/APC |      |      | Optional SC, LC |
|                 | 10/100M Ethernet interface |       | RJ45           |      |      |                 |
|                 | Net working protocol       |       | SNMP           |      |      |                 |
|                 | Communication interface    |       | RS232          |      |      |                 |
|                 | Power supply               | (VAC) | 90             |      | 265  | 50/60Hz         |
|                 | Work temp.                 | (°C)  | -20            |      | 65   |                 |
|                 | Storage temp.              | (°C)  | -40            |      | 85   |                 |
|                 | Relative humidity          | (%)   | 5              |      | 95   |                 |
|                 | Size (W) x (D) x (H)       | (")   | 19×10×1.75     |      |      | 1U              |
|                 |                            |       | 11×14×3.5      |      |      | 2D              |

## MODEL EXPLANATION

OFSW - 1 × 8 - □ / □ - □ - □□ - □□ - □ / □□

| Fiber Optic Switch | Number of input port |       | Number of output port |       | Number of input detection |         | Number of output detection |         | Work wavelength |           | Exterior |              | Connector |        | Number of power supply |                   | Power supply |                 |
|--------------------|----------------------|-------|-----------------------|-------|---------------------------|---------|----------------------------|---------|-----------------|-----------|----------|--------------|-----------|--------|------------------------|-------------------|--------------|-----------------|
|                    | 1                    | 1port | 8                     | 8port | 0                         | Without | 0                          | Without | 7               | 1528~1620 | 1U       | 1U 19"       | FA        | FA/APC | S                      | Single PS         | 22           | 220VAC          |
|                    |                      |       |                       |       | 1                         | 1port   | 8                          | 8port   | 8               | 1260~1620 | 2D       | 2U Desk-type | FP        | FC/UPC | D                      | Dual PS           | 11           | 110VAC          |
|                    |                      |       |                       |       |                           |         |                            |         |                 |           |          |              | SA        | SA/APC | P                      | Dual PS, hot plug | 48           | -48VDC          |
|                    |                      |       |                       |       |                           |         |                            |         |                 |           |          |              | SP        | SC/UPC |                        |                   | 42           | -48VDC & 220VAC |
|                    |                      |       |                       |       |                           |         |                            |         |                 |           |          |              | LA        | LA/APC |                        |                   |              |                 |
|                    |                      |       |                       |       |                           |         |                            |         |                 |           |          |              | LP        | LC/UPC |                        |                   |              |                 |