sylex® FIBER OPTICS

Basic characteristic

▲ **S-line Switch 1x4** is extension module with 4 channels used for increasing the number of channels of S-line Scan 800 interrogator.

▲ **S-line Switch 1x4** operates in bot static and dynamic measurement mode.

Performance properties

Number of channels	4
Scanning frequency[1]	1Hz (500Hz)
Wavelength range	80nm (1510-1590nm)

[1] Our software Sentinel 2.0 works in 1Hz mode, slower data logging is available through down sampling. Higher scanning rates up to 500Hz per channel are available only through Illumisense SW, which offers merely logging of wavelength values.

Physical properties

Dimensions (without cable)	300x200x42mm
Weight (without cable)	1,86kg
Connector type	FC/APC
Interface	D-SUB

Packaging

Cardboard box with dimensions: 364x351x140mm (see Figure)
Optional - Ruggedized transportation case with dimensions: 502x401x188mm (see Figure)

Quality statement

All switches are 100% tested at SYLEX
Switch is manufactured according to ISO 9001:2008 and ISO 14001:2004
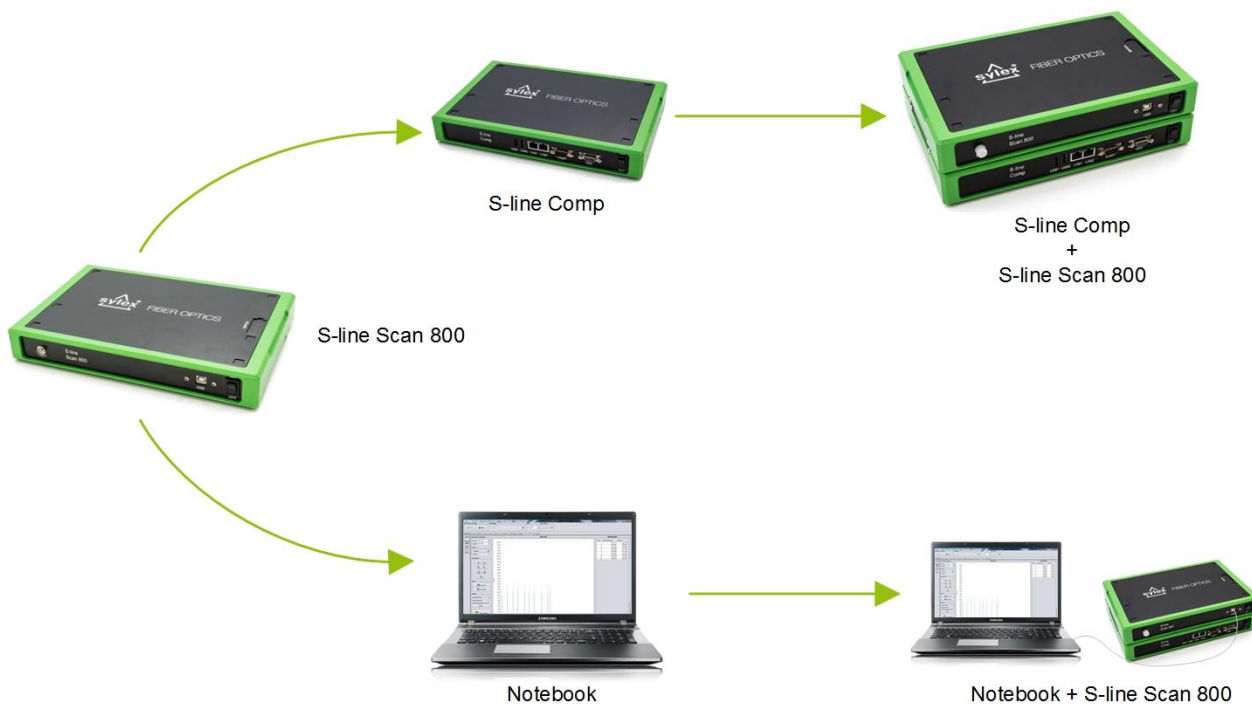
Accessories (included):

▲ Standard extension patchcord (SPA-02)

▲ D-Sub adapter

Recommended accessories within S-line family:

▲ S-line Scan 800 (SCN-80)

▲ S-line Splitters – 1x2 (SPL-02), 1x4 (SPL-04), 4x16 (SPL-16)

Communication options example

Packaging options

Figure 1: Cardboard box as standard packaging

Figure 2: Watertight, crushproof and dust proof transportation case as optional packaging

Benefits of S-line family

▲ All modules can be bought as separate units.

▲ Variable instrument configuration - all modules are stack-able to form standalone instruments of your desired configuration.

 ▲ Simple upgrade from single channel interrogator to 4 or 16 channel interrogator just by adding 1x4 or 1x16 S-line Switch modules.

 ▲ S-line Comp or Splitter modules can optionally be stacked on.

▲ Flexible configurations of connection network - more of individual sensors or sensor arrays can be coupled into one optical channel using S-line Splitter 1x2, 1x4 or 4x16 modules.

▲ No external electrical wiring is required between the modules. The communication and power supply between modules is realized through embedded connector.

▲ Remote or in-site communication with interrogator can be realized through S-line Comp - an industrial computer with Wifi and 3G options.

For more information contact our sales team at sales@sylex.sk

* Specifications are subject to change without notice