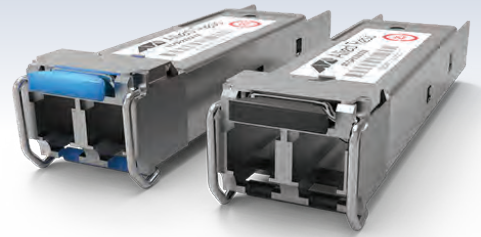# SP 100Mbps Series
Small Form-Factor Pluggable Modules

The Allied Telesis 100Mbps SP Series offers the latest industry standard in flexible, full-duplex, Fast Ethernet connectivity. These hot-swappable interfaces simply plug into the SFP slot on all SFP-compatible products. Configuration can be optimized to meet a wide variety of distance and service requirements.

Options

Allied Telesis SP 100Mbps Series Small Form-Factor Pluggables (SFPs) offers short-haul, long-haul, Bi-Directional (BiDi), and Copper solutions. This flexibility allows network managers to easily extend network distance and bandwidth.

Using an SFP BiDi transceiver can upgrade transmission capacity on a typical network—without installing new fibers—by utilizing a single fiber for both the send and receive signals.

Compatibility

SP 100Mbps Series SFPs are Multi-Sourcing Agreement (MSA)-compliant, and fully adhere to industry standard networking regulations. This allows the SP 100Mbps Series to be used with other MSA-compliant platforms that support SFP uplink connections.

For Cisco compatibility please refer to the "SFP Compatibility Flyer"

Standard Data Rates Supported
Fast Ethernet

Environmental Specifications
Operating Temperature: 0°C to 70°C (32°F to 158°F)
Operating humidity: 0% to 85%, non-condensing)
Storage Temperature: -40°C to 85ºC (-40°F to 185ºF)
Storage humidity: 0% to 80%, non-condensing

Ordering Information

AT-SPFX/2
2 km, 100FX (LC), 1310 nm

AT-SPFX/2-90
2 km, 100FX (LC), 1310 nm, TAA compliant

AT-SPFX/15
15 km, 100FX (LC), 1310 nm

AT-SPTX/100Mbps-00
100 m, 10/100TX, RJ45

AT-SPFXBD-LC-13
15 km, 100FX, BiDi SFP (1310 Tx/1550 Rx)

AT-SPFXBD-LC-15
15 km, 100FX, BiDi SFP (1550 Rx/1310 Tx)

Key Features

▶ Compact size

▶ Flexible architecture

▶ Plug and play for ease of use

▶ Self-locking mechanism

▶ MSA compliant

▶ Two year warranty*

*Warranties may be region-specific. For local warranty periods, please visit alliedtelesis.com/support, or contact your local sales office.

Specifications

PRODUCT	FIBER TYPE	CONNECTOR TYPE	MAXIMUM DISTANCE	WAVELENGTH TX/RX (nm)	DDM*	TRANSMIT (dBm)		RECEIVE SENSITIVITY (dBm)	POWER BUDGET (dBm)	OVER-LOAD (dBm)	OPERATING TEMPERATURE
						MIN	MAX				
SPTX/100Mbps-00	10/100TX	RJ45	100 m	-	-	-	-	-	-	-	0°C to 70°C (32°F to 158°F)
SPFX/2	MMF	LC	2 km	1310	-	-20	-14	-31	11	0	0°C to 70°C (32°F to 158°F)
SPFX/2-90	MMF	LC	2 km	1310	-	-20	-14	-31	11	0	0°C to 70°C (32°F to 158°F)
SPFX/15	SMF	LC	15 km	1310	-	-15	-8	-31	16	-8	0°C to 70°C (32°F to 158°F)
SPFXBD-LC-13	SMF	LC	15 km	1310/1550	-	-14	-8	-31	17	-3	0°C to 70°C (32°F to 158°F)
SPFXBD-LC-15	SMF	LC	15 km	1550/1310	-	-14	-8	-31	17	-3	0°C to 70°C (32°F to 158°F)

MMF = Multi Mode Fiber, SMF = Single Mode Fiber

*Digital Diagnostics Monitoring

Allied Telesis™

NETWORK SMARTER