

# SP Series

## Gigabit Small Form-Factor Pluggable Modules

The Allied Telesis SP Series delivers flexible, full-duplex Ethernet connectivity. These hot-swappable fiber interfaces simply plug into the SFP slot on all SFP-compatible devices. Configuration can be optimized to meet a wide variety of distance and service requirements.



### Compatibility

SP Series Small Form Pluggables (SFPs) are supported on all Allied Telesis devices that support SFP uplink connections.

The Allied Telesis SP Series SFPs are Multi-Sourcing Agreement (MSA) compliant. They fully comply with industry standard networking regulations. This compliance allows the Allied Telesis SFPs to be used with other MSA-compliant platforms that support SFP uplink connections.

For Cisco compatibility please refer to the 'SFP Compatibility Flyer'.

### Options

The SP Series offers short-haul and long-haul solutions. From the inexpensive AT-SPSX to the far-reaching AT-SPZX80, SP Series SFPs provide both the distance and the high performance your network needs.

## Key Features

- Fiber solution
- 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](http://alliedtelesis.com/support) or contact your local sales office.

## Specifications

### Gigabit Fiber Optics

| MODEL       | FIBER TYPE | MAXIMUM DISTANCE | DDM* | TRANSMIT |         | RECEIVE SENSITIVITY | CONNECTOR TYPE | TEMPERATURE                    |
|-------------|------------|------------------|------|----------|---------|---------------------|----------------|--------------------------------|
|             |            |                  |      | MINIMUM  | MAXIMUM |                     |                |                                |
| AT-SPSX     | MMF        | 220-550 m        | -    | -9.5 dBm | -3 dBm  | -17 dBm             | LC             | 0°C to 70°C (32°F to 158°F)    |
| AT-SPSX/I   | MMF        | 220-550 m        | Yes  | -9.5 dBm | -4 dBm  | -17 dBm             | LC             | -40°C to 85°C (-40°F to 185°F) |
| AT-SPEX     | MMF        | 2 km             | -    | -9 dBm   | -1 dBm  | -19 dBm             | LC             | 0°C to 70°C (32°F to 158°F)    |
| AT-SPLX10   | SMF        | 10 km            | -    | -9 dBm   | -3 dBm  | -20 dBm             | LC             | 0°C to 70°C (32°F to 158°F)    |
| AT-SPLX10/I | SMF        | 10 km            | Yes  | -9 dBm   | -3 dBm  | -19 dBm             | LC             | -40°C to 85°C (-40°F to 185°F) |
| AT-SPLX40   | SMF        | 40 km            | Yes  | -4 dBm   | 1 dBm   | -23 dBm             | LC             | 0°C to 70°C (32°F to 158°F)    |
| AT-SPZX80   | SMF        | 80 km            | Yes  | 0 dBm    | 5 dBm   | -24 dBm             | LC             | 0°C to 70°C (32°F to 158°F)    |

\*Digital Diagnostics Monitoring

### Copper Optics

| MODEL   | SPEED        | MAXIMUM DISTANCE | CONNECTOR TYPE | TEMPERATURE                 |
|---------|--------------|------------------|----------------|-----------------------------|
| AT-SPTX | 10/100/1000T | 100 m            | RJ-45          | 0°C to 70°C (32°F to 158°F) |

### Ordering Information



**AT-SPSX**  
1000SX SFP, LC, MMF, 850 nm

**AT-SPSX-90**  
1000SX SFP, LC, MMF, 850 nm, TAA Compliant

**AT-SPSX/I**  
1000SX SFP, LC, MMF, 850 nm, I-Temp

**AT-SPEX**  
1000EX SFP, LC, MMF, 1310 nm

**AT-SPLX10**  
1000LX SFP, LC, SMF, 1310 nm (10 km)

**AT-SPLX10/I**  
1000LX SFP, LC, SMF, 1310 nm, (10 km), I-Temp

**AT-SPLX40**  
1000LX SFP, LC, SMF, 1310 nm, (40 km)

**AT-SPZX80**  
1000ZX SFP, LC, SMF, 1550 nm, (80 km)

**AT-SPTX**  
10/100/1000T SFP, RJ-45 (100 m)