



AT-SPBD10

Small Form Pluggable (SFP) Modules

AT-SPBD10-13

10km, 1000LX SFP, Bi-Di

AT-SPBD10-14

10km, 1000LX SFP, Bi-Di

Industry Standard

The AT-SPBD10 offers the latest industry standard in flexible, full-duplex Gigabit Ethernet connectivity. These hot-swappable, fiber interfaces simply plug into a SFP slot on Allied Telesis SFP compatible products. Configurations can be optimized to meet varied distance and service requirements.

Options

The AT-SP series offers short-haul and long-haul solutions. From the inexpensive AT-SPSX to the far-reaching AT-SPZX80, you have the option to extend your network to the distances that meet your performance needs. The CWDM version allows you to take advantage of the CWDM technology in an existing network infrastructure, maximizing fiber efficiency. Multi-rate versions allow technologies other than just Gigabit Ethernet to be transmitted over single-mode fiber.

Product Compatibility

The AT-SP series SFPs are compatible with all the Allied Telesis range of products that support SFP uplink connections.

Key Features

- Copper and fiber solutions
- Connect up to 80km
- Compact size
- Flexible architecture
- Plug & Play ease-of-use
- Self-locking mechanism
- 'Colored' wavelength for CWDM use
- Data: Support for fiber channel and 2x fiber channel
- Telecom: support for OC3/STM-1, OC12/STM-4, & OC48/STM-16
- Two year warranty

Ordering Information

AT-SPBD10-13

10km, 1000LX SFP, 9 Micron
(Tx=1310nm, Rx=1490nm)

AT-SPBD10-14

10km, 1000LX SFP, 9 Micron
(Tx=1490nm, Rx=1310nm)

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Specifications

Model	Media Type	Wavelength	Transmit		
			Max. Data Rate	Operating Temp	Distance
AT-SPBD10-13	SMF	1310Tx/1490Rx	1.25Gbps	-5 to 75°C	10km
AT-SPBD10-14	SMF	1490Tx/1310Rx	1.25Gbps	-5 to 75°C	10km

Technical Specifications

AT-SPBD10-13

Environmental

Operating Temperature	-5 to 75°C
Operating Humidity	0 to 85%
Storage Temperature	-40°C to +85°C
Storage Humidity	0 to 85% non-condensing

Optical Characteristics

Wavelength	Tx=1310nm		Rx=1490nm	
	Min.	Typ	Max.	Unit
Transmit	-9		-3	dBm
Receive Sensitivity			-18.7	dBm
Power Budget			9.7	dBm
Digital Diagnostics	Yes			

AT-SPBD10-14

Environmental

Operating Temperature	-5 to 75°C
Operating Humidity	0 to 85%
Storage Temperature	-40°C to +85°C
Storage Humidity	0 to 85% non-condensing

Optical Characteristics

Wavelength	Tx=1490nm		Rx=1310nm	
	Min.	Typ	Max.	Unit
Transmit	-9		-3	dBm
Receive Sensitivity			-18.7	dBm
Power Budget			9.7	dBm
Digital Diagnostics	Yes			

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AT-SPBD10-14
10km, 1000LX SFP, 9 Micron
(Tx=1490nm, Rx=1310nm)

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