

SP25 Series

25 Gigabit Small Form-Factor Pluggable Modules



Overview

The Allied Telesis 25G SFP28 Transceiver Series offers high-speed connectivity for data center and enterprise network applications. These industry-standard hot-swappable devices simply plug into the Ethernet SFP28 port on all SFP28-compatible devices. Available in both short reach (SR) and long reach (LR) variants, these modules are designed for 25GBASE Ethernet over multimode and single-mode fiber respectively.

Compatibility

Allied Telesis SP25 Series 25 Gigabit modules are supported on all Allied Telesis devices with SFP28 uplink connections.

Interoperability

The SP25 Series SFP28 modules fully comply with industry-standard networking regulations. This allows the SP25 Series to be used with any networking equipment which complies with industry standards.

Applications

The extended temperature optics offer a wide operating temperature range of -40C to 85C, allowing deployment in even the harshest industrial environments

Key Features

- Compliant with SFP+ MSA SFF-8431 and SFF-8472 diagnostic monitoring interface
- Hot-pluggable SFP28 footprint
- Duplex LC connector
- Single 3.3V power supply
- RoHS compliant
- Digital Diagnostics Monitoring (DDM) with internal calibration
- Supply Voltage: 3.14 to 3.46V
- Power Consumption: <1.0W
- Interface: SFP28 compliant, 25.78Gbps nominal data rate

SPECIFICATIONS

	AT-SP25SR/I	AT-SP25LR/I
Fiber Type	MMF	SMF
Connector Type	LC	LC
Maximum Distance	Up to 100m	Up to 10 km
Wavelength	850 nm	1310 nm
Digital Diagnostics Monitoring (DDM)	Yes	Yes
Transmit Power (Min, Max)	-8.4 to +2.4 dBm	-7 to +2 dBm
Receiver Sensitivity	-10.3 dBm	-12 dBm
Power Budget	2dB	5dB
Overload	2.4 dBm	2 dBm
Operating Temperature	-40°C to 85°C (-40°F to 185°)	-40°C to 85°C (-40°F to 185°)

Environmental Specifications

- Operating temperature range: -40°C to 85°C (-40°F to 185°F)
- Storage temperature range: -40°C to 85°C (-40°F to 185°F)
- Relative humidity range: 0% to 85% non-condensing

ORDERING INFORMATION

AT-SP25SR/I	25GBASE-SR, 850 nm, MMF, I-Temp, TAA ¹
AT-SP25LR/I	25GBASE-LR, 1310 nm, 10 km with SMF, I-Temp, TAA ¹

¹ Trade Act Agreement compliant (TAA)