

QSFP Series

40Gigabit Small Form-factor Pluggables

Allied Telesis QSFP Series pluggable optical modules offer the latest industry-standard 40 Gigabit Ethernet connectivity in a flexible, small form factor. These hot-swappable transceiver modules simply plug into any compatible Allied Telesis product.



Options

The hot-swappable feature of the QSFP Series allows for network changes without removal or reconfiguration of costly network equipment.

Applications

The QSFP Series supports 40GbE and high-density 10GbE interconnects. They are ideal for Datacom/Telecom switch and router connections, as

well as data aggregation, backplane, proprietary protocol and high-density applications.

Interoperability

The Allied Telesis QSFP Series is fully compliant with industry-standard networking regulations. This allows Allied Telesis QSFP modules to be used on any networking equipment which complies with industry standards.

Key Features

- ▶ Compliant with 40GbE Specification IEEE 802.3ba
- ▶ Compliant with industry-standard SFF-8436
- ▶ Compact size
- ▶ Flexible architecture
- ▶ High port density
- ▶ Hot-swappable
- ▶ RoHS compliant (SR4), RoHS-6 compliant (LR4)
- ▶ Supports Digital Diagnostics Monitoring (DDM)
- ▶ MSA Compliant
- ▶ 4 CWDM lanes MUX/DEMUX design on LR4

MODEL	MEDIA TYPE	WAVE-LENGTH	TRANSMIT		OPTICAL CHARACTERISTICS		FIBER CONNECTORS
			MAXIMUM DATARATE	DISTANCE	TRANSMIT	RECEIVE SENSITIVITY	
QSFP SR4	MMF	850 nm	10.3Gbps	100 m on OM3 fiber 150 m on OM4 fiber	-7.6 to 2.4 dBm	-3 dBm	MPO
QSFP LR4	SMF	1271 nm* 1291 nm* 1311 nm* 1331 nm*	11.2Gbps	2 m to 10 km	-7 to 2.3 dBm	-11.5 dBm	LC

* Central wavelengths of the 4 CWDM channels

Digital diagnostics: Yes

Power Consumption

Power consumption: QSFP SR4: <1.5W
QSFP LR4: <3.5W

Environmental

Operating temperature: 0°C to 70°C (32°F to 158°F)
Storage temperature: QSFP SR4: -40°C to 85°C (-40°F to 185°F)
QSFP LR4: -20°C to 85°C (-4°F to 185°F)
Relative humidity: 0 to 85% non-condensing

Ordering Information

QSFP Modules

AT-QSFP SR4
40G QSFP+ SR4, 850 nm, MMF

AT-QSFP LR4
40G QSFP+ LR4, CWDM, SMF

Accessories: QSFP+ Cables

AT-QSFP1CU
QSFP+ 1 m cable

AT-QSFP3CU
QSFP+ 3 m cable

Breakout Cables

AT-QSFP-4SFP10G-3CU
QSFP+ port to 4 x 10G ports, 3 m

AT-QSFP-4SFP10G-5CU
QSFP+ port to 4 x 10G ports, 5 m

Optical Cables

AT-MTP12-1
MTP cable for QSFP Series, 1 m

AT-MTP12-5
MTP cable for QSFP Series, 5 m