



10G Gigabit SFP+ Transceiver Modules

Reliable, high-performance SFP+ transceiver modules for 10G Gigabit Ethernet applications



EnGenius 10G Small Form-Factor Pluggable Plus (SFP+) transceiver is an industry standard hot-swappable device that plugs into the SFP port or slot and links the port with the network. It is small form factor pluggable module with standard LC duplex connector for fiber communications. It designed to compliant to SFI electrical specification.

Features

- > Hot pluggable LC Duplex connector
- > IEEE 802.3z compliant
- > Industry standard compliance
- > Low power dissipation
- > Class 1 laser product, complies with International Safety Standard IEC 825
- > ROHS Compliant

10G SFP+ Series

	SFP3185-03	SFP3213-10	SFP3215-40
Connector Type	LC	LC	LC
Data Rate	10Gbps	10Gbps	10Gbps
Wavelength	850nm	1310nm	1550nm
Fiber Type	MMF	SMF	SMF
Max Transmission Distance	0.3km	10km	40km
Transmitter Characteristics			
Supply Voltage	3.13 ~ 3.46V	3.13 ~ 3.46V	3.13~3.46V
Supply Current	300mA	300mA	300mA
Output Optical Power	-6.5 ~ -1dBm	-8.2 ~ 0.5dBm	-4.7 ~ 4dBm
Receiver Characteristics			
Supply Voltage	3.13 ~ 3.46V	3.13 ~ 3.46V	3.13~3.46V
Supply Current	300mA	300mA	300mA
Maximum Receiver Power	-3dBm	1.5dBm	-1dBm
Optical Receiver Sensitivity	-11.1dBm	-12.6dBm	-14.1dBm
Physical Specifications			
Dimensions (WxDxH)	13.9 x 58.4 x 12.6mm		
Weight	25g		
Environmental Limits			
Operating Temperature	0°C to 70°C (32°F to 158°F)		
Storage Temperature	-40°C to 85°C (-40°F to 185°F)		



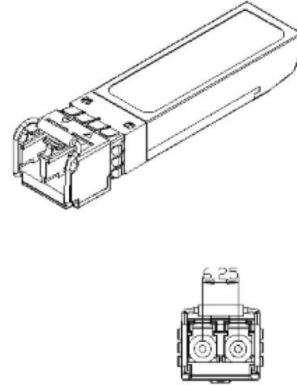
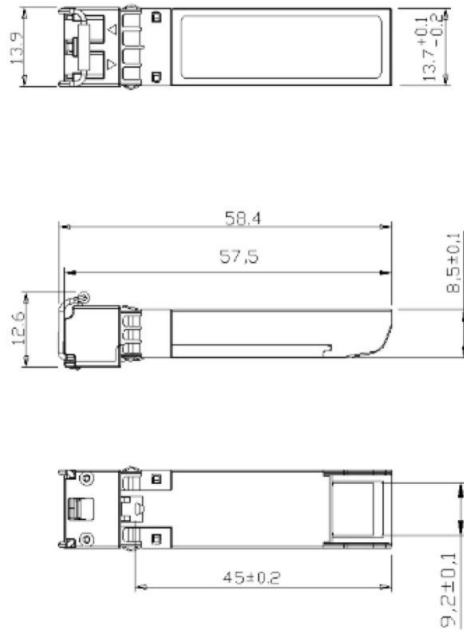
10G SFP+ Bi-Di Series

	SFP3312-20	SFP3313-20
Connector Type	LC	LC
Data Rate	10Gbps	10Gbps
Wavelength	Tx: 1270nm Rx:1330nm	Tx: 1330nm Rx:1270nm
Fiber Type	SMF	SMF
Max Transmission Distance	20km	20km
Transmitter Characteristics		
Supply Voltage	3.0 ~ 3.6V	3.0 ~ 3.6V
Supply Current	300mA	300mA
Output Optical Power	-2 ~ -2dBm	-2 ~ 2dBm
Receiver Characteristics		
Supply Voltage	3.15 ~ 3.45V	3.15 ~ 3.45V
Supply Current	300mA	300mA
Maximum Receiver Power	-14.5dBm	-14.1dBm
Optical Receiver Sensitivity	-18dBm	-20dBm
Physical Specifications		
Dimensions (WxDxH)	14 x 57.5 x 10.8 mm	
Weight	25g	
Environmental Limits		
Operating Temperature	0°C to 70°C (32°F to 158°F)	
Storage Temperature	-40°C to 85°C (-40°F to 185°F)	



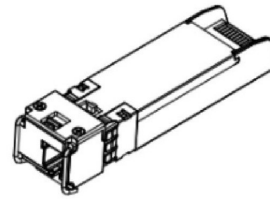
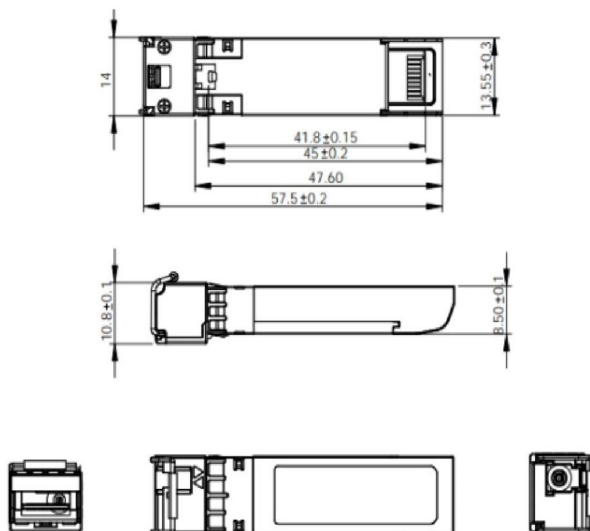
Dimensions

10G SFP+ Series



Unit: mm

10G SFP+ Bi-Di Series



Unit: mm

Ordering Information

Product No.	Product Description
10G SFP+ Transceivers	
SFP3185-03	10G BASE-SX SFP+ Transceiver, 850nm; 0.3km
SFP3213-10	10G BASE-LX SFP+ Transceiver, 1310nm; 10km
SFP3215-40	10G BASE-LX SFP+ Transceiver, 1550nm; 40km
SFP3312-20	10G BASE-LX SFP+ Bi-Di Transceiver, Tx:1270nm / Rx:1330nm; 20km
SFP3313-20	10G BASE-LX SFP+ Bi-Di Transceiver, Tx:1330nm / Rx:1270nm; 20km
1G SFP Transceivers	
SFP2185-05	1000BASE-SX SFP Transceiver, 850nm; 0.5km
SFP2213-10	1000BASE-LX SFP Transceiver, 1310nm; 10km
SFP2313-20	1000BASE-LX SFP Bi-Di Transceiver, Tx:1310nm / Rx:1550nm; 20km
SFP2315-20	1000BASE-LX SFP Bi-Di Transceiver, Tx:1550nm / Rx:1310nm; 20km
Wireless Management Switch	
EWS2908P	8-Port Gigabit PoE Wireless Management Switch; 55w
EWS2910P	8-Port Gigabit PoE Wireless Management Switch with 2 Gigabit SFP; 55w
EWS5912FP	8-Port Gigabit PoE+ L2 Wireless Management Switch with 2 GbE Ports and 2 Dual-Speed SFP; 130w
EWS7928P	24-Port Gigabit PoE+ L2 Wireless Management Switch with 4 Dual-Speed SFP; 185w
EWS1200-28TFP	24-Port Gigabit PoE+ L2 Wireless Management Switch with 4 Dual-Speed SFP; 410w
EWS7952P	48-Port Gigabit PoE+ L2 Wireless Management Switch with 4 Dual-Speed SFP; 410w
EWS7952FP	48-Port Gigabit PoE+ L2 Wireless Management Switch with 4 Dual-Speed SFP; 740w
EWS7926EFP	24-Port Gigabit PoE+ L2 Wireless Management Switch with 4 SFP+ 10G Fiber Uplink; 410w
Cloud Management Switch	
ECS1008P	8-Port Gigabit PoE Cloud Switch; 55w
ECS1528FP	24-Port Gigabit PoE+ L2 Cloud Switch with 4 SFP+ 10G Fiber Uplink; 410w
ECS1552FP	48-Port Gigabit PoE+ L2 Cloud Switch with 4 SFP+ 10G Fiber Uplink; 740w

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