



## Fiber Modules

### SFP/SFP+ Modules

Grandstream Network offers a wide variety of fiber modules. All of them are hot-pluggable small-form factor transceiver modules integrated with the high sensitivity PIN receiver and signal conditioner for 1.25/10 Gigabit Ethernet applications. SFP modules support very low EMI and excellent ESD protection. Featuring low power consumption, these fiber modules are ideal for enterprise LAN networks and other optical links.

	F-SM1310-20KM-1.25G	F-SM1310-10KM-10G	F-MM850-550M-1.25G	F-MM850-300M-10G
<b>Fiber Mode</b>	Single-Mode Fiber		Multi-Mode Fiber	
<b>Connector Type</b>	Duplex LC			
<b>DDM</b>	Yes, I <sup>2</sup> C for integrated Digital Diagnostic Monitoring			
<b>Nominal Wavelength</b>	1310nm		850nm	
<b>Data Rate</b>	1.25Gbps SFP	10Gbps SFP+	1.25Gbps SFP	10Gbps SFP+
<b>Max Power Consumption</b>	1W	1W	0.8W	1W
<b>Transfer Distance</b>	20km	10km	50/125μm(OM2): 0.55km 62.5/125μm(OM1): 0.3km	0.3km
<b>TX Power</b>	-9 to -3dBm, ±3dB	-8.2 to 0.5dBm, ±3dB	-10 to -3dBm, ±3dB	-6 to -1dBm, ±3dB
<b>RX Power</b>	-18 to -1dBm, ±3dB	-14.4 to 0.5dBm, ±3dB	-18 to -3dBm, ±3dB	-11.1 to 0.5dBm, ±3dB
<b>Operation Voltage</b>	3.3V±0.3V			
<b>Environmental</b>	Operation: 0° to 70°, humidity: 5% to 85% Storage: -40° to 85°			
<b>Unit Weight</b>	17.10g	18.50g	15.80g	18.50g
<b>Standards</b>	SFF-8472, SFP MSA, IEEE 802.3z, RoHS-6	SFF-8472, SFP+ MSA, IEEE 802.3ae, RoHS-6	SFF-8472, SFP MSA, IEEE 802.3z, RoHS-6	SFF-8472, SFP+ MSA, IEEE 802.3ae, RoHS-6
<b>Compliance</b>	FCC, CE, FDA			

#### Notes:

- Please select the fiber cable according to the module type. The multi-mode module corresponds to the multi-mode fiber, and the single-mode module corresponds to the single-mode fiber.
- Please select the same wavelength fiber cable for connection.
- Please select an appropriate fiber module according to the actual networking situation to meet different transmission distance requirements.
- The laser of the Class 1 Laser Product is harmful to eyes. Do not look directly at the fiber connectors.