

# 10G SFP+ Optical Transceiver Models

## General Characteristics (applies to most/all variants):

- ☆ **Form Factor:** SFP+, hot-pluggable and small form-factor
- ☆ **Data Rate Support:** ~10 Gbps (10.3 Gbps / 10.7 Gbps) - suitable for 10G Ethernet (10GBASE-xx)
- ☆ **Connector:** Duplex LC - all modules use LC duplex connectors for fiber interface
- ☆ **Compliance / Standards:** All are compliant with SFP+ MSA (Multi-Source Agreement) and SFF-8472 (i.e. support for digital diagnostics)
- ☆ **Single +3.3 V Power Supply:** Standard for SFP+ modules
- ☆ **Support for optical diagnostics / monitoring (DOM/DDM):** Supports real-time digital diagnostic monitoring
- ☆ **RoHS Compliance:** Lead-free and eco compliance
- ☆ **Laser Safety & Reliability:** All use Class I laser safety designs (standard for such transceivers) and are composed of a laser transmitter + photodiode receiver + TIA + MCU control subunits (or equivalent) as core components
- ☆ **Use Case:** 10G Ethernet & other optical links. All modules are suitable for 10 Gigabit Ethernet (10GBASE-SR / LR / ER / ZR) or general optical links requiring 10G-class SFP+ transceivers
- ☆ **Temperature / Environmental Operating Range:** Typically for commercial use: 0 to 70 °C; with industrial variants supporting -40 to +85 °C

Model	Data Range	Media Type	Connector	Wavelength	Max. Reach	TX Type	RX Detector	Temperature	Interface	Datasheet
SFP-MM85TG-300C SFP-MM85TG-300I	10 Gbps	MMF	Duplex LC	850 nm	300 m	VCSEL	PIN	0 to +70 °C -40 to +85 °C	10GBASE-SR	<a href="#">Download PDF</a>
SFP-SM13TG-10C SFP-SM13TG-10I	10 Gbps	SMF	Duplex LC	1310 nm	10 Km	DFB	PIN	0 to +70 °C -40 to +85 °C	10GBASE-LR	<a href="#">Download PDF</a>
SFP-SM15TG-40C SFP-SM15TG-40I	10 Gbps	SMF	Duplex LC	1550 nm	40 Km	Cooled EML	PIN	0 to +70 °C -40 to +85 °C	10GBASE-ER	<a href="#">Download PDF</a>
SFP-SM15TG-80C SFP-SM15TG-80I	10 Gbps	SMF	Duplex LC	1550 nm	80 Km	Cooled EML	APD	0 to +70 °C -40 to +85 °C	10GBASE-ZR	<a href="#">Download PDF</a>
SFP-SM15TG-120C SFP-SM15TG-120I	10 Gbps	SMF	Duplex LC	1550 nm	120 Km	Cooled EML	APD	0 to +70 °C -40 to +85 °C	10GBASE-EZR	Available On Request