

# SMART/RG

An ADTRAN Company

## SFP Modules / SM8 GPON SFP Module



THE SmartRG SM8 SFP is a compact media connector that provides instant fiber connectivity for your networking gear. They are a cost effective way to connect a single network device to a wide variety of fiber cable distances and types. By eliminating the need to maintain surplus units/devices of various fiber types for network repairs or upgrades Small Form Pluggable Optical Transceivers reduce network equipment inventories. SFPs allow one product the flexibility to expand by speed.

The SmartRG SM8 GPON stick which is completely compliant to SFP MSA structure, providing customers a great convenience to update the uplink port of their devices from the legacy Ethernet to up-to-date high bandwidth GPON. The SmartRG SM8 integrates one GPON MAC & one Ethernet MAC inside, requiring no external GPON ONU for updates.

### / HIGHLIGHTS

#### Application

The SmartRG SM8 SFP provides a pluggable GPON ONU function for Ethernet Switch, Router, Home gateway & other customer premises equipment

#### Triple Play

The SmartRG SM8 SFP is designed to simply plug into a standard SFP port in your router. The product provides a pluggable GPON ONU interface for networking equipment with an uplink SFP receptacle enabling these devices to be deployed in GPON networks for FTTH, business services, and wireless backhaul applications.

### / ORDERING INFORMATION

#### Equipment

SRG ACC - SM8 SFP 1244/2488MB

#### Part Number

17600187F1

### / FEATURES

- Single fiber Bi-directional SFP with SC/PC receptacle
- 1310nm burst mode 1.25Gbps DFB transmitter
- 1490nm continuous-mode 2.5Gbps APD-TIA receiver
- PON MAC embedded
- High level or low level burst enable
- Rogue ONU detection output
- Low EMI and excellent ESD protection

### / BUILT-IN SUPPORT

- SFP MSA
- SFF-8472
- ITU-T G.984.2/5
- RoHS-6
- Telcordia/Bellcore/GR-468-CORE
- 0 to 70°C operating case temperature

### / COMPLIANCE

- Compliant with ITU-T G.984.x (G.984.5 support)
- Compliant with SFF-8472
- Compliant with FDA 21 CFR 1040.10 & 1040.11, Class I
- Compliant with IEEE 802.3
- Compliant with ITU-T G.984.2 Amd1, Class B+

501 SE Columbia Shores Boulevard, Suite 500  
Vancouver, Washington, 98661 USA  
+360 859 1780 / smartrg.com

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