

Enabler of Fiber Deep – Tunable SFP+ 10G DWDM Optical Transceiver



The Lumentum Tunable SFP+ module is a high performance tunable pluggable transceiver for use in the C-band window covering 1528 nm to 1566 nm. The module supports data rates from 9.95 Gbps to 11.3 Gbps and is provided in an SFP+, MSA-compliant package. Zero chirp and negative chirp options are available.

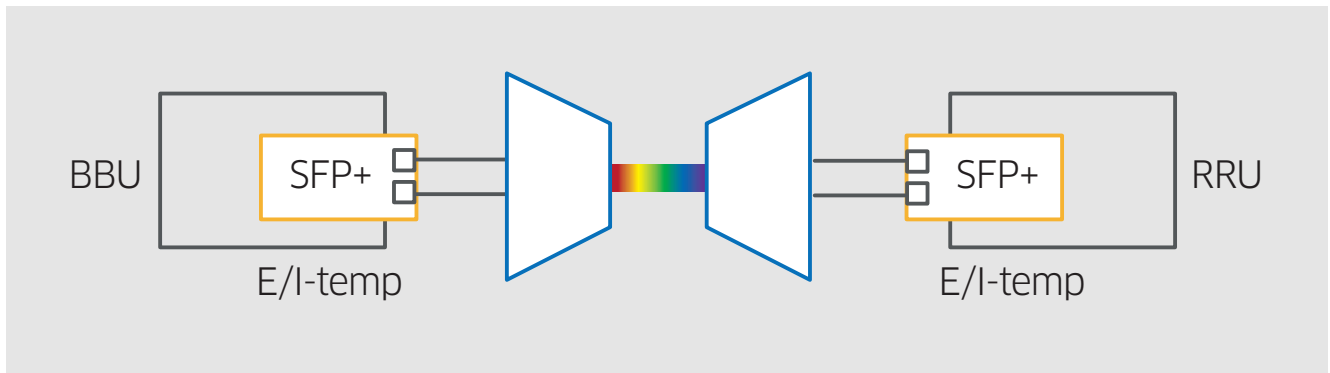
Automatic tuning capability reduces installation costs by eliminating need for technicians to carry inventory of transceivers and additional equipment for manual tuning.

T-SFP+ Features

- PIN and APD receivers
- Commercial and industrial temperature range (-40°C to +85°C)
- Automatic tuning capability

Description	Product Code
T-SFP+, 10G SONET/SDH, Ethernet, FC, up to 80 km reach, limiting electrical interface, bail latch	TRS7081FxCPA000
T-SFP+, 10G SONET/SDH, Ethernet, FC, up to 80 km reach, linear electrical interface, bail latch, 0 to 70°C or -5 to 85°C	TRS7081FxCCA005
T-SFP+, 10G SONET/SDH, Ethernet, FC, up to 40 km reach, CDR electrical interface, bail latch	TRS7091FNCDP000
T-SFP+, 10G SONET/SDH, Ethernet, FC, up to 80 km reach, limiting electrical interface, bail latch with AutoTune feature	TRS7081AxCPA00A

Automatic Wavelength Tuning



The tunable SFP+ module automatically tunes to the correct wavelength, allowing it to communicate to the module on the opposite side of the link. The AutoTune function is host independent and fully embedded in the module. No out-of-band communication channel is used.

Overview:

1. Automatic tuning process is a host independent scheme
2. When T-SFP+ modules are inserted into the corresponding electrical ports, (1) central office and (2) remote site, both modules automatically start the automatic tuning process
3. The process ensures that the T-SFP+ modules tune to the channel defined by the DWDM filter (Mux/Demux) which both modules are connected to
4. After completion of the automatic tuning process, both modules fix their wavelengths and move into normal operation
5. The modules shall appear as regular tunable products to the host system once AutoTune is completed.



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Product specifications and descriptions in this document are subject to change without notice.