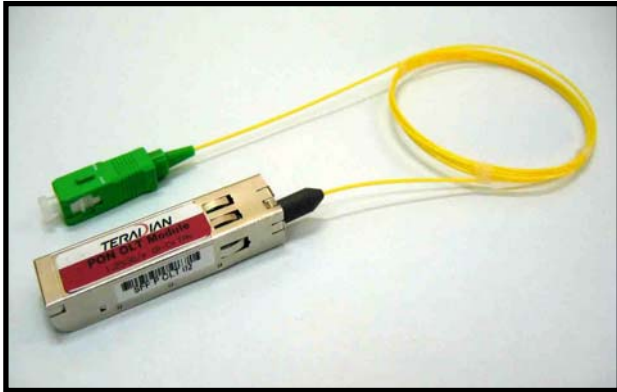


Gigabit Ethernet PON Solution for FTTx SFP Bi-directional ONU/OLT Transceiver



- ▶ Best Performance for (G)E-PON
- ▶ Small Size Bi-Di SFP Package
- ▶ 6 Products of PON Solution
- ▶ Common Design for Package Cost
- ▶ Long Link Distance using APD

◆ Features

- ⇒ Compliant with IEEE Std 802.3ah™-2004 1000BASE-PX(BX)10(20)
- ⇒ Burst mode operation transmitter with 1310nm DFB-LD for ONU side
- ⇒ Burst mode operation receiver PIN-TIA and PIN-APD for OLT side
- ⇒ 10/20km link distance application supported
- ⇒ -40°C~85°C Operating temperature
- ⇒ 1.25Gbps up/downstream data rate for Gigabit Ethernet PON standard
- ⇒ Pigtailed Bi-directional SFP package with single mode fiber
- ⇒ LVPECL compatible data input/output interface
- ⇒ LVTTTL burst-mode control for ONU and signal detected indication

◆ Specifications

E-PON Solutions		P2P ONU	P2P OLT	P2MP ONU	P2MP ONU-APD	P2MP OLT	P2MP OLT-APD
Classification		1000BASE-BX10		1000BASE-PX10(20)			
Form Factor		Pigtailed Bi-directional SFP Transceiver					
Mode		Continuous T/Rx		Burst Tx		Burst Rx	
Line code		8B10B or Scrambled NRZ					
Tx	Wavelength	1310nm	1490nm	1310nm		1490nm	
	Avg PW Min	-3dBm	-3dBm	+2dBm	+2dBm	-1dBm	-1dBm
	On/Off Min	-	-	576/96ns		-	-
	ER Min	9dB					
Rx	Wavelength	1490nm	1310nm	1490nm		1310nm	
	P_{over} Max	-3dBm	-3dBm	0dBm	-6dBm	0dBm	-6dBm
	SE Max	-22.5dBm	-23.0dBm	-27.0 dBm	-32.0 dBm	-27.5 dBm	-32.5 dBm
	T_{Rx} set Max	-	-	-	-	400ns	