

PRODUCT BRIEF

FEATURES

- ▶ EPON ONU in an MSA SFP footprint
- ▶ Compliant with IEEE802.3ah EPON specifications
- ▶ Optional CTC OAM support, or DPoE™ support
- ▶ DPoE certification available
- ▶ Built-in Digital Diagnostics
- ▶ Single fiber bi-directional SC receptacle
- ▶ Compatible with EPON OLTs and CPE

OVERVIEW

Finisar's EPON Stick is an SFP transceiver with a built-in EPON ONU. The EPON Stick is in a standard MSA SFP footprint and is compliant with the IEEE802.3ah EPON standard, CTC OAM specifications, and DPoE™ specifications. Digital diagnostic functions are available via the 2-wire serial bus as specified in the SFP MSA.

The EPON Stick provides a pluggable EPON ONU interface for networking equipment with an uplink SFP receptacle enabling these devices to be deployed in EPON networks for FTTx, business services, and wireless backhaul applications. The hosting devices include Ethernet switches, routers, wireless base stations, Ethernet demarcation devices, remote DSLAMs, home gateways and other customer premises equipment.



Part Number	Link Budget	Case Temp Range	EPON OAM
FTEN2115P1NUN	PX10	-20 ~ 70 °C	CTC
FTEN2115P1NUN-BC	PX10	-30 ~ 85 °C	CTC
FTEN2217P1CUN	PX20+	-20 ~ 70 °C	DPoE Compatible
FTEN2217P1CUN-BC	PX20+	-30 ~ 85 °C	DPoE Compatible

EPON Stick – Pluggable SFP ONU

GENERAL SPECIFICATIONS

Parameter	Symbol	Min	Typ	Max	Unit
Supply Voltage	V _{CC}	3.15	3.3	3.45	V
Supply Current	I _{CC}		500	620	mA
Transmitter					
Data Rate (Continuous Wave)	BR		1250		Mb/s
Center Wavelength (CW)	λ	1260	1310	1360	nm
Output Opt. Pwr	P _{OUT}				dBm
PX10		-1		4	
PX20+		0		4	
Transmitter eye		Compliant with IEEE802.3ah			
Optical Extinction Ratio	ER	9			dB
Receiver					
Data Rate	BR		1250		Mb/s
Optical Center Wavelength	λ_c	1480		1500	nm
Average Rx Sensitivity	R _{SENS}				dBm
PX10				-25	
PX20+				-27	

