

FTE7502 10G ONU



Product Overview

The FTE7502 EPON ONU (Optical Networking Unit) is IEEE802.3av standards compliant. When used with the FSU7101 EPON OLT (Optical Line Terminal), it can offer up to 10Gbps Ethernet transmission (10G symmetrical) over an ODN (Optical Distribution Network). Carrier class QoS and security are implemented with a variety of classification and filtering rules.

The FTE7502 is a fanless 19-inch rack mountable DPoE™ 1.0, MEF 9 and 14 capable 10G Symmetrical ONU for business applications.

Features

Logical Link	Multiple LLIDs per ONU
Security	MAC access control, downstream/bi-directional encryption (AES 128 BIT)
VLAN	IEEE 802.1q, QinQ, configurable per LLID
Optical Monitoring	DPoE 1.0 Capable
Optical Power Control	DPoE 1.0 Capable
QOS	Variety of classification and filtering rules
IP multicast	IGMP snooping (IPv4)

IEEE Standards

IEEE 802.3z (1000BASE-X)
IEEE 802.3ae (10GBASE-R)
IEEE 803.3x (flow control)
IEEE 802.3av (10G-EPON)
IEEE 802.1D (MAC Bridges)
IEEE 802.1p (QoS priority)
IEEE 802.1Q (VLAN tagging)

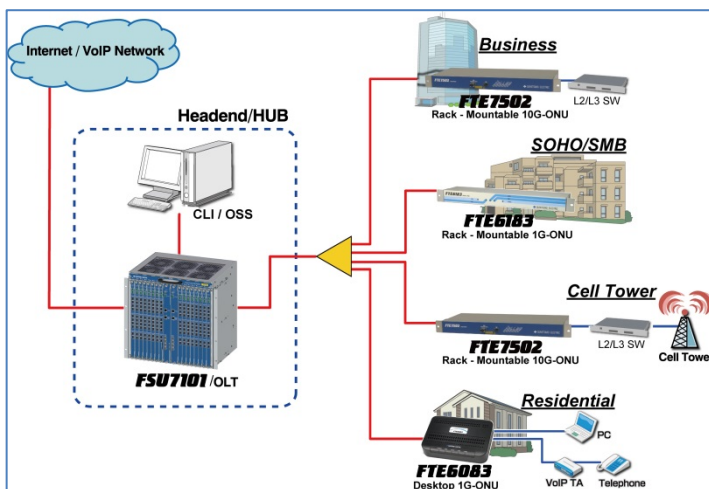
Specifications

		FTE7502
Size	Dimension (W x D x H)	430 x 170 x 43.5 mm (16.93 x 6.69 x 1.71 in) (excluding the protrusions)
	Weight	Approx.2.5 kg (5.5 lbs.)
Power	Input Voltage	Redundant AC 100V to 240V (50/60Hz ±1Hz)
	Power Consumption	15W (max)
	Power Supply Redundancy	2 AC inputs
Environment	Operating Temperature	0 - 40° C (32-104° F)
	Operating Humidity	10-90% RH (non-condensing)
Standards	EMI	FCC Part15 Class A, ICES-003 Class A
	MEF	MEF 9 & 14 Capable
	DPoE™	DPoE 1.0 Capable
	Safety	UL/CSA 60950-1, IEC 60950-1 & 60825-1
	Laser	FDA 21CFR 1040.10, 1040.11, IEC60825
*UNI I/F	Number of Ports	1 port (10G or 1G)
	Transceiver	SFP+ (10Gbps) or SFP (1Gbps)
PON I/F	Standard	10GBASE-R or 1000BASE-X
	Number of Ports	1 port
	Connector	SC Connector
	Standard Optics	10GBASE-PR-U3
	Transmission Wavelength	1260 ~ 1280 nm
	Optical Output Power	+4.0 ~ +9.0 dBm
	Extinction Ratio	more than 6dB
	Reception Wavelength	1575 ~ 1580 nm
Optical input power (@BER < 1x10 ⁻¹² , with FEC)	-10 to -28.5dBm (@Extinction ratio 9 dB)	

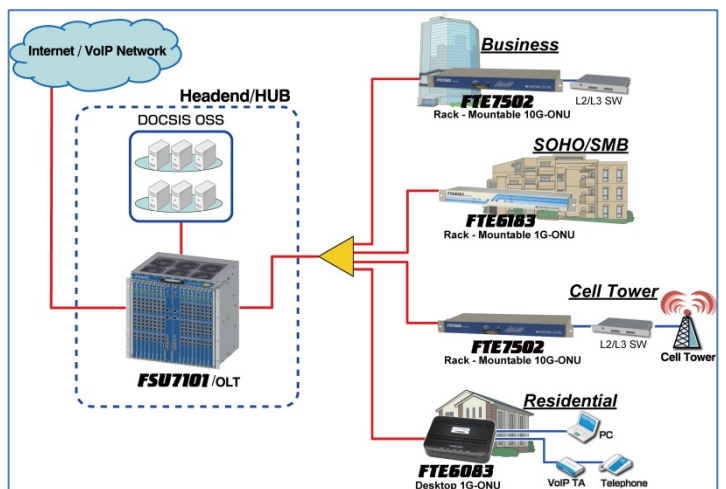
* Note: ONU must be pre-configured to accept SFP or SFP+ before shipment to customer.

System Architectures

EPON



DPoE



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