

ONT GPON LEOX LXT-010G-D (1xGE, 1xGPON), (SC/APC)

DETAILED SPECIFICATION

LEOX-LXT-010G-D-APC

DETAILED SPECIFICATION	
Dimensions (W x D x H) [mm]	90 x 72 x 28
Power Supply	+12V (feed via external AC/DC adapter)
	2-PIN power adaptor input
	Dying Gasp support
	Power Consumption: ~ 4W
Working Environment	Temperature: 0°C - 45°C
	Humidity: 5% ~ 95% relative humidity
Safety & EMI	CE & FCC/UL compliant
Environmental Index	RoHS6
Installation	Desktop mounting & wall mounting
GPON Interface	Compliant with ITU-T G.984 G.988 GPON standards
	SFF type laser, SC/APC connector
	BoSA on board optical solution
	1.244 Gbps Burst Mode Upstream Transmitter
	2.488 Gbps Downstream Receiver
	Compliant with ITU-T G.984.2 Amd1, Class B+
	0.5dBm ~+5dBm launch power, -27dBm sensitivity, and -8dBm overload
	Wavelengths: US 1310nm, DS 1490nm
	Laser compliant with FCC 47 CFR Part 15, Class B, and FDA 21 CFR 1040.10 and 1040.11, Class I, ONT support Class C or Class C+ optics as an option
	Support G.984.5 Blocking Filter as an option
	Multiple T-CONTs & GEM Ports per device
	Flexible mapping between GEM Ports and T-CONT
	Activation with automatic discovered SN and password in conformance with ITU-T G.984.3
	AES-128 Decryption with key generation and switching
	FEC (Forward Error Correction) in both directions
DBA reporting by piggyback reports in the DBRu (mode 0 and mode 1)	
802.1p mapper service profile on U/S	
Mapping of GEM Ports into a T-CONT with priority queues based scheduling	

PON - PASSIVE OPTICAL NETWORKS

Ethernet Interface	10/100/1000 Base-T interface with RJ-45 connectors
	Ethernet port auto negotiation or manual configuration
	MDI/MDIX automatically sense
	Hardware priority queues on the downstream direction in support of CoS
	802.1D bridging
	Virtual switch based on 802.1q VLAN
	VLAN tagging/detagging per Ethernet port
	VLAN stacking (Q-in-Q) and VLAN Translation
	IP ToS/DSCP to 802.1p mapping
	Class of Service based on VLAN-ID, 802.1p bit, ToS/DSCP
	Marking/remarking of 802.1p
	IGMP v2/v3snooping
	Broadcast/Multicast rate limiting
Diody LED	Power
	Alarm
	PON
	LAN
OAM	Standard compliant OMCI (the embedded operations channel) interface as defined by ITU-T G.984
	Alarming and performance monitoring
	Remotely software image download over OMCI, as well as activation and rebooting
	Hold two software sets with software image integrity checking and automatic rollback