



GPON OLT STANDALONE OPTICAL CONCENTRATOR LW3008C

Product Type	Laserway Equipment			
Description	The OLT (Optical Line Terminal) is an equipmento used in Passive Optical Local Area Networks (PON LAN), as an optical switch with GPON ports. The LW3008C works accordingly to the GPON (ITU-T G.984.x) standard, with speed of 2.5 Gbps of downstream and 1.25 Gbps of upstream and downstream. It is an standalone equipment which supports up to 1024 ONTs in a 20 km radius (physical) or 60 km (Logical).			
General Characteristics	Configurable to operate in redundancy mode between GPON ports in the same OLT (Redundancy type B considering up to 32 ONTs per redundant port). The LW3008C has the following interfaces:			
	 8 GPON Ports compatible with ITU-T G.984 (SFP); 			
	 4 uplink Ports 1/10 GE SFP/SFP+; 			
	 2 Slots for AC/DC Power Sources (Redundant)¹; 			
	 120 Gbps switching capacity. 			
GPON	 Supports ITU-T G.984.4 for ONT Management Control Interface (OMCI); 			
	ONT remote management;			
	ONT automatic discovery and ranging;			
	 Supports NSR and SR DBA (G.984.3); It is a constrained and the second seco			
	 Up to 1000 T-CONTs and 4000 GEM Ports; Up to 128 ONTs per GPON interface; 			
	 Op to 128 ON is per GPON interface, Capable of monitoring ONU traffic (pm-profile) and GPON link parameters (optical power, distance, connection); 			
	 Transmisson speed of 2.5Gbps downstream and 1.25Gbps upstream; 			
	 Transmission radius up to 20km (Physical) and 60Km (Logical); 			
	 Transmission wavelength: 1490nm; 			
	 Reception wavelength: 1310nm; 			
	 Type B redundancy. 			



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Layer 2	 Standard Ethernet Bridging; Até 64K endereços MACs; VLAN stacking/translation; Link Aggregation (802.3ad); IEEE 802.3ac - VLAN Tagging; IEEE 802.1S - Multiple Spanning Tree; IEEE 802.1V - Rapid Spanning Tree; IEEE 802.1D - Spanning Tree; IEEE 802.1Q - Virtual LANs with Port Based VLANs; Up to 4096 VLANs; IEEE 802.1p - Prioritization of Traffic at the Data-Link Level; IEEE 802.3x - Flow Control; Q-in-Q support; Port Mirroring; Broadcast Storm filtering; Multicast Storm filtering; Multicast Storm filtering; Jumbo Frames até 12288 bytes; Access Control List L2 (ACLs Support). Port/Subnet/Protocol-based VLAN;
Layer 3	 IPv4 / IPv6 routing; Static routing; Open Shortest Path First (OSPF) v2, v3; Border Gateway Protocol (BGP) v4; Virtual Router Redundancy Protocol (VRRP); Access Control List L3.
Qos	 Traffic scheduling (SPQ, WRR); Up to 8 COS per port. Conditional rate limitation; Access control list: MAC addresses, EtherType, IP SA / DA, TCP / UDP
Multicast	 IGMPv1/v2/v3; IGMP Fast-Leave; IGMP Snooping; IGMP Proxy; IGMP Static Join; PIM-SM, SSM; MLD Snooping; Multicast Vlan Registration (MVR).



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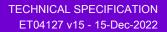
Management

- Serial/Telnet/SSH (CLI);
- SNMP;
- DHCP server, client and relay with option 66 and 82;
- Single IP management;
- Syslog;
- Link Layer Discovery Protocol (LLDP).
- LLDP-MED
- RMON

Security

- Authentication based on MAC for native VLAN;
- Authentication 802.1x (Port-Based or MAC-Based);
- Storm Control for broadcast, multicast and DLF;
- Unknown multicast and unicast traffic block;
- Out-of-Band and In-Band management;
- Anti attack for DDOS, TCP-SYN-flood, UDP-fload, ARP-flood;
- Secure Shell (SSH) v1/v2.
- IP Source Guard





Depth

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Constructive

aracteristic		440	4.4	200		
	Dimensions [mm]	440	44	300		
	Constructive Characteristic					
		Min	Máx	Obs		
	Operating Temperature	-20	60	°C		
	Storage Temperature	-40	80	°C		
	Relative Operational Humidity	0%	90%	Non-condensing		
	Power Consumption		55	Watts		
	Power Supply	Redundant. Options: full range AC (100-240V, 50/60Hz) or -48/60V DC				
	MTBF					
	Temp.	M	ſBF (Hour)	MTBF (Years)		
	25°C	4	33.993,00	55,25		
	40° C	2	58.013,00	29,45		

Width

Height

• Hot-swappable Power Supplies;

• LEDs indicative;

• RoHS Compliant;

The power supply complies with UL 60950, CE, NEBS, EU ROHS and EMC EN 55022 Class B standards

Certifications	 Anatel NOM FCC Class A VCCI Class A CISPR Class A CISPR Class A CE Mark (EN50081-1, EN55022 Class A, EN50082-1, IEC 1000-4-2/3/4/6, EN60555-2 Class A, EN60555-3) CSA/NRTL (UL1950, CSA 22.2.950), TUV/GS (EN60950), CB 			
Related Products	 35510449 - POWER SUPPLY AC FOR GPON STANDALONE OPTICAL CONCENTRATOR LD3008/LW3008C/LD3016 35510450 - POWER SUPPLY DC FOR FOR GPON STANDALONE OPTICAL CONCENTRATOR LD3008/LW3008C/LD3016 			



Included Accessories		Included items:				
		 1 Serial Cable (DB9 – RJ45). 				
		 Rack-mount tabs 				
		Guarantee certificate				
		• Installation Guide.				
	Warranty	 One-year warranty. 				
		 Software Technical Validity: 365 days. 				
		Warranty coverage and technical support service are conditional on the exclusive use of GPON Furukawa family equipment (OLTs, ONUs, Power Supplies, Transceivers,).				

Part Numbers



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