


Modelo: OLT4000	ESPECIFICACIONES TECNICAS	
Fecha: 2013		
Hojas 1 de 2		
Asunto	CONSOLA DE CONTROL GPON	

Description

The GEPON system uses a single optical fiber for both upstream and downstream transmission. Downstream traffic is sent via 1490nm wavelength and upstream traffic uses the 1310nm wavelength.



The 1550nm wavelength is reserved for future CATV or wavelength division multiplex (WDM) upgrading. It is a fiber to the Home (FTTH) platform providing up to 1Gb/s Ethernet data and optionally video and voice on IP(VOIP) services to commercial and residential end users.

Features

- ◆ IEEE802.3ah compatible
- ◆ 16 downstream PON ports
- ◆ 32 optical branches per OLT port for connection of up to 32 ONUs
- ◆ Downstream transmission up to 20kilometers
- ◆ 512 subscribers served in one compact 2U chassis
- ◆ Advanced L2/L3 switching and routing functions
- ◆ Remote provisioning and management
- ◆ Advanced security via Access Control List(ACL)
- ◆ Support unblocked wire speed forwarding
- ◆ Support TCP/IP, ICMP, ARP, OSPF, BGP, RIP, PIM-SM, PIM-DM, IGMP protocol

Application

- ◆ Triple-play(GEPON)
- ◆ FTTx (FTTH, FTTP, FTTB, FTTC)

Specifications

Item	Unit	Description
Optical characteristics		
Optical fiber		Single fiber, SM
Connector type		LC or SC connector
Max split		32
Data rate		1 Gbps up and down stream
Optical loss budget	dB	29dB for PON link
Transmit power	dBm	2.0 ~7dBm
RMS		≤ 0.44nm
Extinction ratio	dB	≥6dB
Operation wavelength	nm	Down-TX: 1490nm, Up-RX: 1310nm
Max. reach	km	20km
Electrical performance		

Uplink port		4 RJ45 and 4 SFP module ports
Downlink PON port		16 SFP PON ports(max 4 PON card)
Compliance		IEEE802.3ah
Number of MAC table	K	8K
Number of VLAN		4096(IEEE802.1q)
Downlink connector		LC or SC connector
User authentication		IEEE 802.1x PPOE forwarding
QoS		8 QoS queue/ONU users IEEE 802.1q&p IPV4 ToS priority queues DBA
Security		ACL AES-128 encrypted
VOIP protocol		SIP protocol and H.248
Management		CLI, WEB, TELNET
General		
Power supply	V	AC 100 ~240V
Power consumption	W	140W
Dimensions	mm	483mm *390mm *88mm
Weight	kg	