E-PON Family
Optical Line Terminal (OLT)

OLT-200E

The OLT-200E is 2U 19" EPON OLT chassis. It complies with IEEE 802.3ah standard and provides 4-slot for PON interfaces module. The PON card is modularized design and have two PON port on each card. Each PON port supports 32 ONU for subscribers. So, One OLT-200E chassis can support up to 256 subscribers. OLT-200E provide combo Uplink interface SFP slot and 10/100/1000Base-T. It is the lowest cost deployment for FTTB/FTTH.

Key Features

- Compliant to IEEE 802.3ah standard
- Flexible QoS management for triple play service
- Flexible VLAN management to meet operator's service model
- Support IGMP proxy and IGMP snooping for efficient Multicast
- Support full suite of security and administrative functions
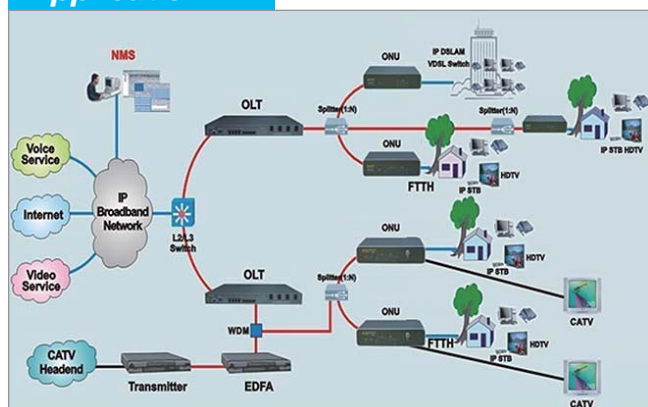- Support completed OAM&P functions
- Support 256 subscribers

Technical Specification

Security and Authentication	Support upstream and downstream AES-128 encryption
	Support 8,192 MAC address per ODN
	Limit the number of ONU user MAC address from 1 to 64
	ONU authentication by MAC address or 802.1x
Remote ONU Management	IEEE 802.3ah OAM channel
	Loop back test
	ONU configuration/provisioning
	Configuration parameters save/reload
	Performance management
	Firmware upgrade
	Status/Alarm report
Hardware Physical Specification	Dimensions(mm): 437(W) x 365(D) x 88(H)
	Weight: 6 Kg
	Power input: DC -48V or AC 110/220V 60/50 Hz
	Power consumption: 70W typical
Operating Environment	Ambient operating temperature: 0°C ~ 45°C
	Relative Humidity: 5%~90% (non-condensing)
Certification	FCC/CE

Technical Specification

Hardware Architecture	19"rack chassis
	4 pluggable PON module
	1 pluggable SCU module
PON Module	*Interface*
	2 PON/module, 8 PON/chassis
	SC type connector
	32 ONUs per PON
	1000BASE-PX20E-D for 20 km
	Wavelength: 1310nm(upstream)
	1490nm(downstream)
	Service Network Interface
	2 SNI/module, 8 SNI/chassis
	Connector type: RJ-45 or SFP
	1000Base-T Interface (RJ-45) or 1000Base-SX/LX(SFP)
SCU Module	1 RS232 Console Port
	1 10/100 Ethernet Port
	Support CLI, SNMPv1 & SNMPv2c
	Support SNTP client
	Support RFC845 Telnet
	Support RFC1350 FTP
Supported MIBs	RFC 1157 SNMP v1, SNMPv2
	RFC1213 (MIBII)
	RFC1493 (Bridge MIB)
	RFC1757 (RMON)
	RFC2674 (pBridge and qBridge)
	RFC 4878 OAM Functions
	EPON proprietary MIBs
VLAN	Support VLAN tag add/delete/transparent mode
	Support 256 configurable VLANs per ODN
	Service-based dedicated VLAN capability
Multicast	Support IGMP v2
	Support IGMP proxy and Fast Leave
	Support 256 multicast groups
Quality of Service	8 IEEE 802.1p priority level
	Static and dynamic bandwidth allocation (DBA) for upstream traffic
	Service Level Agreement: Min. bandwidth, Max. Bandwidth, delay and Priority
	Rate Limiting for each service
	Configurable DBA from SNMP or RS232 Console

Application

Ordering Information

- **OLT200-CH**   2U 19" 4-slot OLT chassis
- **OLT200-AC**   AC 100~240 chassis power module
- **OLT200-DC**   DC -18 ~ -72 chassis power module
- **OLT200-SCU**   System Control SNMP card
- **OLT200-22**   2Ch 1000BASE-T to 1000Base-PX 20km slide-in card