

# E-PON Family

## Optical Network Unit (ONU)



# ONU200

CTC all types of Optical Network Unit (ONU) are IEEE 802.3ah standard compliant. Each model provides one PON port to connect to the central office OLT, but with different User Network Interfaces.. ONU240 provides four 10/100 Base-T user network interfaces. TONU240 provides four 10/100 Base-T user network interfaces, and also supports one RF interface for FTTH/FTTB CATV solution. All of them meet the future triple-play service requirements.

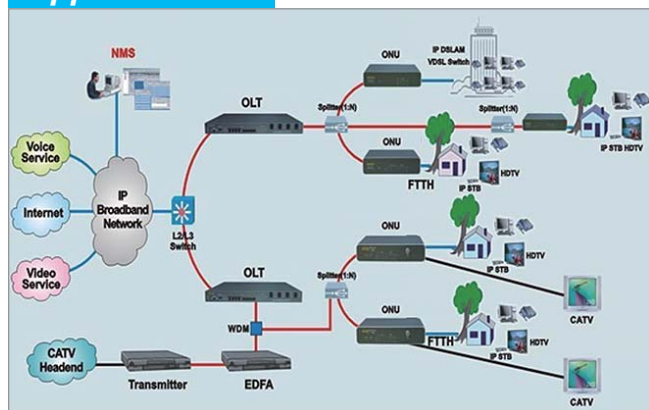
### Key Features

- Compliant to IEEE 802.3ah standard
- Support 1 optical interface and 1 10/100/1000Base-T User Network Interface
- Flexible QoS management for triple play service
- Flexible VLAN management to meet operator's service model
- Support IGMP snooping for efficient Multicast
- Support filtering function to permit/deny upstream traffic

### Technical Specification

PON Interface	SC type connector 1000BASE-PX10E-U for 10Km or 1000BASE-PX20E-U for 20Km Wavelength: 1310nm(upstream), 1490nm (downstream)
User Network Interface(UNI)	4 10/100BASE-TX
Management Interface	1 RS232 Console Port
VLAN	Support transparent bridging protocol specified in IEEE 802.1D Support VLAN tag add/ exchange/ transparent mode Support 4 port-based VLAN
Multicast	Support IGMP v2 Support IGMP snooping per UNI port Support 8 multicast groups
Quality of Service	Support 4 priority queues, one per traffic class Support advanced classification capability to map upstream traffic to priority queues according to: <ul style="list-style-type: none"> <li>■ IPv4 DSCP</li> <li>■ Source/Destination IPv4 Address</li> <li>■ 802.1p priority field</li> <li>■ Ether type field</li> </ul>
CATV service	Support 1 RF interface for FTTH CATV service (for TONU200 model)
Security and Filtering	Support upstream and downstream AES-128 encryption Support the filtering function to permit and deny the upstream user traffic according to: <ul style="list-style-type: none"> <li>■ Ether type field</li> <li>■ VLAN ID</li> <li>■ Source/Destination MAC Address</li> <li>■ Source/Destination IPv4 Address</li> </ul>
Management and Diagnostic	Support OAM loopback test Notify OLT System via dying gasp message when the ONU is in power failure Support remote firmware upgrade Support downstream and upstream FEC
Hardware Physical Specification	Dimensions(mm): 230(W) x 145(D) x 38(H) Weight: 1.5 Kg Power input: DC 12V (External AC power adapter) Power consumption: 12W typical
Operating Environment	Ambient operating temperature: -10°C ~ 45°C Relative Humidity: 5%~90% (non-condensing)
Certification	FCC

### Application



### Ordering Information

- **ONU241** 4-port 10/100Base-TX to 1000Base-PX 10km ONU
- **ONU242** 4-port 10/100Base-TX to 1000Base-PX 20km ONU
- **TONU241** 4-port 10/100Base-TX to 1000Base-PX 10km ONU with CATV RF Interface
- **TONU242** 4-port 10/100Base-TX to 1000Base-PX 20km ONU with CATV RF Interface