

## PU-E211



### General Description

PU-E211 is a new EPON ONU production of Picotel company which passive optical network terminal series. It provides one 10/100/1000Mbps base-T interface, one optical interface, one CATV interface and it is very impact. Suitable for home and small business users, can meet the FTTH high-speed data transmission of the application.

### Key Features

- ☑ It takes the PTMP (point to multipoint) network topology, effectively collects and converges scattered Ethernet services, and provides the 10/100/1000M Ethernet standard RJ45 interface, smoothly interconnects with existing networks.
- ☑ The Dynamic Bandwidth Allocation (DBA) mechanism enables all users to share the 1Gbps bandwidth reasonably, guaranteeing a reliable QoS.
- ☑ Supports IGMP multicast, effective use of broadband;
- ☑ Supports multicast VLAN;
- ☑ Supports China Telecom CTC protocol;
- ☑ Full management through an Operation Administration Maintenance (OAM) protocol based on IEEE802.3ah, including configuration, alarm, performance monitoring, fault isolation and security management, etc. It supports remote management through OLT and local console management as well.
- ☑ Supports FEC and DBA;
- ☑ Supports IEEE802.1Q VLAN protocol;
- ☑ Supports IEEE 802.1p protocol;
- ☑ Supports remote loopback and network status diagnosis;
- ☑ Supports flow statistics;
- ☑ Supports storm control;

## Technical Parameter

<b>Module</b>	<b>PU-E211</b>
<b>User interface</b>	1 10/100/1000M RJ45 port.
<b>PON</b>	Transmission speed :upstream/downstream symmetrical 1Gbps Network coverage radius: 20KM Optical receive sensitivity: $\geq -26$ dBm Luminous power: $> 0$ dBm Security: ONU authentication mechanism
<b>CATV</b>	CATV RF connector(CATV In/CATV Out)
<b>Protocol</b>	Compliant with IEEE 802.3ah YD/T 1475-2006 IEEE 802.1D, Spanning Tree IEEE 802.1Q, VLAN IEEE 802.1w, RSTP IEEE 802.3ad (LACP) Ethernet-II, Ethernet-SNAP
<b>VLAN</b>	Port-based VLAN GVRP IEEE 802.1Q VLAN
<b>QOS</b>	Backpressure flow control(half-duplex) IEEE 802.3x flow control(full-duplex) Prevent Head Of Line IEEE 802.1p, CoS WR,SP and FIFO queue scheduling algorithm Port rate limit
<b>Safety</b>	IEEE 802.1x, access control based upon Port; support local and remote RADIUS. CHAP,EAP certification; Storm control, port protection,
<b>Management</b>	Various management modes such as Web, TELNET Debug function.
<b>Size</b>	140mm(L) $\times$ 103mm(W) $\times$ 28mm(H)
<b>Environment</b>	Operating temperature: $0^{\circ}\text{C} \sim 60^{\circ}\text{C}$ ; Operating humidity:10% $\sim$ 85% non-condensing Storage temperature: $-40^{\circ}\text{C} \sim 80^{\circ}\text{C}$ ; Storage humidity:5% $\sim$ 95% non-condensing
<b>Power supply</b>	110 $\sim$ 240VAC 12V/0.5A DC power interface size:2.1mm/5.5mm
<b>Power Consumption</b>	2.5W

## Volume, Box Volume and Weight info

EPON ONU Volume					
Product Name	Type	Length	Width	Height	Volume
EPON ONU 1G + CATV	PU-E211	140	103	28	
EPON ONU Box Volume					
Product Name	Type	Length	Width	Height	Volume
EPON ONU 1G + CATV	PU-E211	239	125	54	