PICOTEL

PU-E440

General Description

PU-E440 is a new EPON ONU from Picotel company based on Cortina C8032 chipset. It provides 4GE interface, 1 optical fiber access port, and is very stable. 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

Module	PU-E440
User interface	4 x 10/100/1000M RJ45 port.
PON	Transmission speed :upstream/downstream symmetrical 1Gbps Network coverage radius: 20KM Optical receive sensitivity:≥-27dBm Luminous power: **>** 1dBm Security: ONU authentication mechanism
Protocol	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
VLAN	Port-based VLAN GVRP IEEE 802.1Q VLAN
QOS	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
Safety	IEEE 802.1x,　access control based upon Port; support local and remote RADIUS. CHAP,EAP certification; Storm control, port protection,
Management	Various management modes such as CLI, Web, SNMP, TELNET and cluster Support remote reset and reboot SSHv1/v2 Software upgrade through WEB and OLT. Network testing tools such as ping and traceroute
Size	100mm(L) ×100mm(W) ×30mm(H)
Environment	Operating temperature:0℃～60℃; Operating humidity:10%～85% non-condensing Storage temperature:-40℃～80℃; Storage humidity:5%～95% non-condensing
Power supply	96～260VAC　　12V/0,5A DC
Power Consumption	3.5W