PU-G510 GPON SFU

General Description

PU-G510 is a new GPON ONU production of Picotel company passive optical network terminal series. It provides one GE interface, one optical interface, it's very suitable for home and small business users, can satisfy the FTTH high-speed data transmission.

Outline

Key Features

- ☑ Integrated GPON interface, to meet the ITU-T G.984 specification;
- ☑ 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 maximum 2.5Gbps 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 Parameters

Model	PU-G510
User interface	1 10/100/1000M RJ45 port.

PON	Transmission speed :upstream1.25Gbps/downstream2.5Gbps Network coverage radius: 20KM Optical receive sensitivity:≥-28dBm Luminous power:＜0dBm 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 Web, TELNET Debug function.
Environment	Operating temperature:0℃～60℃; Operating humidity:10%～85% non-condensing
	Storage temperature:-40℃～80℃; Storage humidity:5%～95% non-condensing
Power supply	110～240VAC　12V/0.5A DC
Power Consumption	6W