

PG-EP8027U

Optical Network Unit



PG-EP8027U-ONU-type ONU products fully comply IEEE 802.3-2005 EPON equipment and technical requirements for China Telecom V2.1, with carrier-class operational, management, and easy maintenance. Is a compatible 802.11b/g wireless routers and VoIP phones EPON HGU (home gateway) device, to provide broadband connectivity to provide users with data, voice, video and other business and family and office high-speed wireless internet access, suitable for home and business network environments, is to carry out multi-service operator portal.

Features:

- ◆ meet the IEEE 802.3ah standards and CTC V2.1 technical requirements.
- ◆ support Ethernet switching and the up and down the second floor of wire-speed forwarding business.
- ◆ support frame filtering and suppression.
- ◆ supports standard 802.1Q Vlan, support VLAN translation.
- ◆ Support 4094 × VLAN (802.1Q).
- ◆ supports dynamic bandwidth allocation capabilities (DBA).
- ◆ support QoS, including traffic classification, priority marking, queuing and scheduling, traffic shaping and flow control.
- ◆ Support IGMP Snooping.
- ◆ Ethernet port speed, loop detection.
- ◆ support off alarms.
- ◆ Support for remote reset and restart function
- ◆ support functions to restore the factory parameters
- ◆ support data encryption
- ◆ ONU MAC address-based access authentication support
- ◆ support state detection and fault reporting functions
- ◆ lightning protection and business support for the port mine.
- ◆ VoIP Softswitch supports SIP protocol.
- ◆ powerful QoS capabilities, multi-service environment protection of VoIP, IPTV service quality and other key business
- ◆ CATV RF characteristics

Output Level 8.5 dBm (input -6 dBm)

AGC operating range 10 dB CNR $\geq$ 46 dB @ -6 dBm (input)

C/CSO & C/CTB $\leq$ -60 dB

- ◆ wireless parameters:

Support Standard: IEEE 802.11b/g, rate: 5.4 Mbps, the maximum access capacity of 13.

Port Features:

- ◆ 1 × PON port
- ◆ 4 × 10/100 M Ethernet port
- ◆ 1 × CATV Interface

- ◆ 2 × FXS port, can connect two telephone
- ◆ 1 × FXO port can be accessed by an outside line to support power-down to escape.
- ◆ 1 × 10 / 100 M Ethernet interface (v-port management for the VOIP port)
- ◆ 1 wireless routing interfaces.

Optical Properties:

- ◆ Support single fiber bi-directional wavelength division multiplexing (single fiber three-way) transmission
- ◆ Interface: SC / PC, SC / APC (CATV type ONU)
- ◆ Maximum split ratio: 1: 32
- ◆ Rate: longitudinal symmetry 1.25 Gbps
- ◆ Send wavelength: 1310 nm
- ◆ Receive wavelength: 1490 nm
- ◆ Output Power: -1 ~ +4 dBm
- ◆ Receiver sensitivity: <-26 dBm
- ◆ OLT and ONU maximum distance between the support 20 km

Other features:

- ◆ Certification: Complies with CE, FCC, ROHS and other standards
- ◆ EMC / EMI: meet VCCI Class B, FCC Part 15 B standard
- ◆ Safety: UL 60950 security specifications
- ◆ lightning surge voltage protection: meet ITU-TK. 21 standard

Physical Characteristics:

- ◆ Physical Dimensions: 283 * 148 * 30 (length × width × height, unit: mm)
- ◆ Weight: <1.5kg
- ◆ Power supply: 12 VDC
- ◆ Power: 10 W
- ◆ Temperature:

Operating temperature: -10 ~ 55 °C

Storage Temperature: -30 ~ 60 °C

Relative Humidity: 10 ~ 90% (non-condensing)