

PG-EP8029U

Optical Network Unit



PG-EP8029U series is the PG company access to applications for large-scale carrier-grade EPON FTTB ONU equipment, the series of full compliance with IEEE 802.3-2005 EPON equipment and technical requirements for China Telecom V2.1, a unified, open software and hardware architecture, providing a powerful network management capabilities, to achieve a flexible network and management system, with carrier-class operational, management, and easy maintenance. Provide users with fiber to the building (FTTB, Fiber To The Building) solutions.

Features:

1. meet the IEEE 802.3-2005 standards and CTC V2.1 technical requirements.
2. support Ethernet switching and the up and down the second floor of wire-speed forwarding business.
3. support frame filtering and suppression.
4. supports standard 802.1Q Vlan, support VLAN translation.
5. Support 4094 VLAN (802.1Q).
6. supports dynamic bandwidth allocation capabilities (DBA).
7. support QoS, including traffic classification, priority marking, queuing and scheduling, traffic shaping and flow control.
8. Support IGMP Snooping.
9. Ethernet port speed, loop detection.
10. support off alarms.
11. Support for remote reset and restart function
12. support functions to restore the factory parameters
13. support data encryption
14. ONU MAC address-based access authentication support
15. support state detection and fault reporting functions
16. lightning protection and business support for the port mine.

Port Features:

1. 1*PON port
2. 16*10/100M Ethernet port

Optical Properties:

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

Other features:

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

Physical Characteristics:

Physical Dimensions: 440 * 207 * 43.6 (length × width × height, unit: mm)

Weight: <2.5kg

Power: 100 - 240 VAC

Power: 18 W

Temperature:

Operating temperature: -10 ~ 55 °C Storage Temperature: -30 ~ 60 °C

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