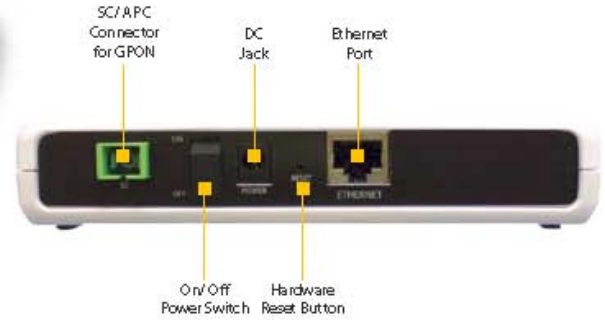


Gigabit Ethernet Bridge ONT



GPON100E

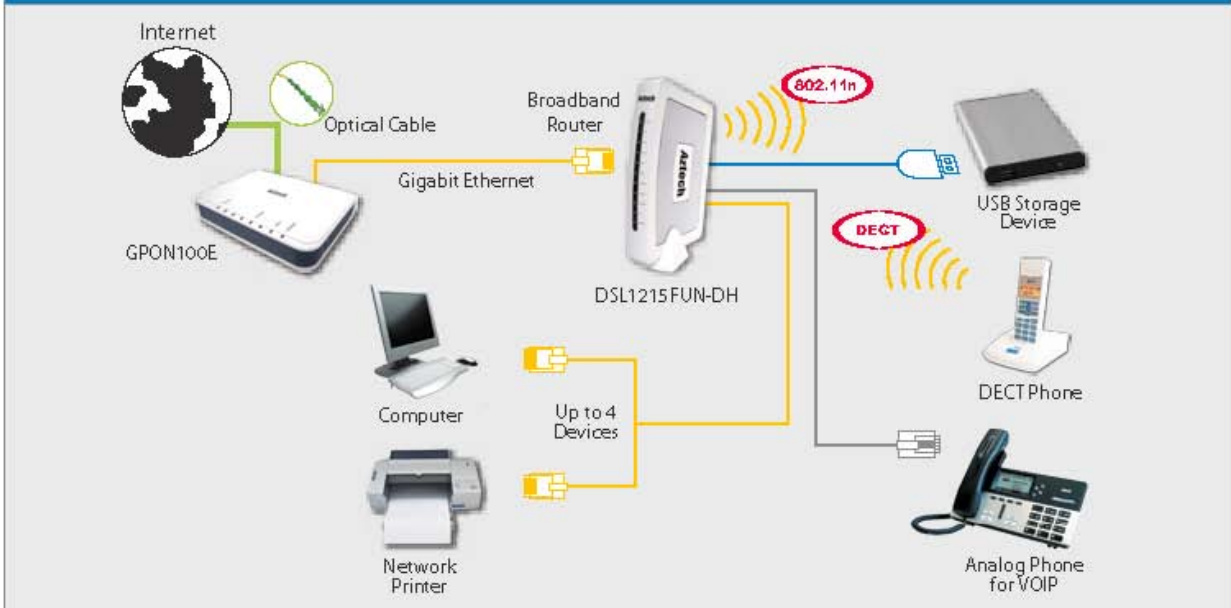


Features At A Glance

- Supports high-speed data, VoIP, streaming IP videos and IPTV services over a single optical fiber in one single cost-effective device.
- ITU-G.984 compliant with GPON Encapsulation Method (GEM)
- Supports 2.5 Gbps/1.25 Gbps asymmetrically
- Designed for high bandwidth, triple play applications
- Low Power Consumption: 6W
- Supports one 10/100/1000BaseT Ethernet interface



Next Generation Broadband Network - FTTH



Gigabit Ethernet Bridge ONT

GPON Characteristics LED Indicators

- ITU-T G.984 GPON compliant
 - 1 x Power LED (Green/Red Multi-color LED)
 - G.984.1 General Characteristics
 - 1 x Ethernet Link Status (Green LED)
 - G.984.2 Physical Media Dependent (PMD) layer Specification
 - 1 x GPON Status LED (Green LED)
 - G.984.3 Transmission convergence layer Specification
 - 1 x Internet Status LED (Green/Red Multi-color LED)

• Maximum 2.5Gbps Downlink/1.25Gbps Uplink Gbps

External Interfaces

- 1 x SC/APC connector for GPON G.984.2 (2.5Gbps D/S and 1.25Gbps U/S)
- Ethernet Interface
 - 1 x SC/APC connector for GPON G.984.2 (2.5Gbps D/S and 1.25Gbps U/S)
 - 1 x RJ45 connector for 10/100/1000 Ethernet (Auto MDI/MDIX)
 - 1 x On/Off Power Switch
- IEEE 802.3 compliant 1000BASE-T, 100BASE-TX, and 10BASE-T
- Support auto-negotiation
- 1 x DC Jack
- Support auto MDI/MDIX

- 1 x Hardware Reset Switch
- Support auto polarity correction

Power Requirements

Management Support

- G.984.4 ONT Management and Control Interface Specification
 - Input Voltage: 12VDC
 - Input Current: 0.5A

Network Support

Physical Measurements

- Transparent Bridge
- Static IP support
- Dimension : 155 (L) x 120 (W) x 32 (H) mm
 - Weight : Approx. 300g
- Dynamic RIP routing support
- IP/TCP/UDP/ICMP/ARP/RARP Application Support
- Network Address Translation (NAT)
- Port Mapping/Forwarding
- DHCP Server/Relay/client
 - Europe : CE

Regulatory Approvals

- USA : FCC

- DNS Relay Agent
- DMZ support

- Multiple Sessions IP Sec and PPTP/L2TP VPN pass through support
- Temperature
 - Operating: 0° to 40°C
 - Non-Operating: 0° to 60°C