

Solitone 1GE Xpon ONU



Structured Product Specification

General Information

- Device Type: **1GE XPON ONU terminal**
 - Compliance Standards: **IEEE 802.3 EPON MAC, RFC4837**
 - Power Supply: **DC12V / 1A**
 - Operating Temperature/Humidity Range: **10°C~50°C operating, 40°C~70°C storage, 10%~90%, non-condensing**
 - Certifications: **CE, RoHS**
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Optical Interface

- PON Standard: **XPON (ITU-T G.984.x)**
 - Data Rates: **Upstream rate 1.244Gbps, Downstream rate 2.488Gbps**
 - Optical Power Budget: **Max transmission distance 20 km (budget not specified)**
 - Connector Type: **Single fiber WDM (SC connector, type not specified)**
 - PON TX Power: **1~5dBm (1310nm)**
 - PON RX sensitivity: **<-28dBm (1490nm)**
 - Optical Mode: **Class B+**
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Interface

- LAN Port Configuration: **1 x 10/100/1000 Mbps RJ45 port**
 - Fiber Port: **1 x SC/UPC or SC/APC(Optional)**
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Software

- DHCP Server: **Server, Client, DHCP Client List, Address Reservation, DHCP Relay**
 - WAN Connection: **PPPoE, Dynamic IP, Static IP, Bridge**
 - Business Type: **Internet**
 - IP Version: **IPv4, IPv6**
 - Services: **DHCP, Dynamic DNS**
 - Firewall: **ALG, IP Filter, Port Filter, Mac Filter, URL Filter Port Forwarding, DMZ**
 - IPv6: **Radvd, DHCPv6, MLD Proxy, MLD Snooping**
 - Diagnostics: **Ping, Ping6, Tracert, Tracert6**
 - VLAN: **802.1Q tag VLAN, support 4094 VLANs**
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Security Features

- Support firewall configuration
 - Support network attack protection
 - MAC Address Filter
 - IP and MAC Address Binding
 - Support loopback detection for ports
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Performance

- Packet Loss Rate: **NA**
 - Latency: **NA**
 - Throughput: **NA**
 - Maximum Concurrent Sessions: **NA**
 - Buffer Memory Size: **NA**
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Physical Design & Dimensions

- Housing Material: **NA**
 - Mounting Options: **Yes**
 - LED Indicators: **Power, LOS, PON, LAN**
 - Cooling Mechanism: **Passive (ventilated design)**
 - Port Arrangement: **Rear: Reset button, Power jack, RJ45, PON port**
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Packaging & Accessories

- Included Items: **ONU, Power adapter, User manual**
 - Optional Accessories: **NA**
 - Documentation: **User manual**
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Applications

- FTTH Deployments: **Yes**
- MDU Installations: **NA**
- Business Connectivity: **NA**
- Triple-Play Services: **Internet, IPTV**