TSCOM GP1804G

COMMERCIAL 1000M GPON CUSTOMER PREMISE DEVICE

Integrated With Wireless and Voice smart HGU
Delivers Multi-Services Over Gigabit-Capable Passive Network(Gpon)

TSCOM GP1804G
GPON ONU

- |TU-T G.984/G.988

- COMPACT CHASSIS

- 802.11N TECHNOLOGY FOR EXTREME

  PERFORMANCE AND COVERAGE

- SERVICE SUPPORTED:

  VOIP, IP VIDEO AND DATA

- MUTLPLE SUBSCRIBER/ MULTIPLE

  SERVICE SUPPORT FROM SINGLE ONU

- INDIVIDUALIZED BILLING PER

  SERVICE LEVEL AGREEMENT

- VLAN MANAGED SERVICES WITH

  PRIORITY QOS PROCESSING

- REMOTE PROVISIONING AND

  MANAGEMENT

- ADVANCED SECURITY

- CIRCUIT TESTING AND LOOP BACKS

  FOR TELEPHONY SERVICES

Telesail provides GP1804G ONU supporting cost-effective GPON customer premise solutions designed for for single indoor residential applications. The solutions provide 1000Mbps broadband services to a connected subscriber's gateway and/or computers. The GP1804G provide 4GE ,2 POTS,WiFi with advanced L2 functionality for Data,voice, and video services, and are configured and managed remotely via the Telesail product family (OLT).Multi-Dwelling Unit elements are also available to manage networking in areas as vast as apartment buildings, business units and campus settings.

Using 802.11n wireless technology, Wi-Fi enabled computers and devices can wirelessly connect to the GP1804G ONU and share a single incoming Internet connection. With four additional Ethernet LAN ports, you can connect to your network Ethernet-enabled devices.

The ONU GP1804G provides an uplink to the central office through its GPON port, and LAN connectivity to the individual residential user via its 10/100/1000Mbps Ethernet port. A future-proof, Fiber To The Home (FTTH) solution, the ONU GP1804G is a critical element in the successful delivery of multimedia video, voice and data over a single optical fiber.

The GP1804G supports static IP, Dynamic IP, as well as PPPoE connections,and works with applications such as online gaming and VPN connections with no additional configuration. The GP1804G is easily upgradeable, making it future-proof for both end-users and service providers.The GP1804G provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.It brings high-speed wireless Internet connection to a home or offi ce. It is suitable for both residential (in-home) and commercial (offices, apartments, hotels, warehouses) network applications.

Specification

Physical

- Dimensions
  165mm(W) x115 mm (D) x 30 mm(H)
- Weight: <0.5kg

Power and Environmental

- Power Consumption:<8W
- Power
  DC12V/1.5A
- Operating Requirement
  0°C to +45°C ambient air temperature
  10% to 85% operating humidity
  (non condensing)
- Storage Requirement
  -40°C to +80°C ambient air temperature
  5% to 95% humidity
  (non condensing)

Architecture

- Compact chassis
- 1 fix ONU GPON interface
- 4 10/100/1000 Base-T interface
- 2 POTS
- 1 USB2.0
- 802.11b/g/n
  300Mbps (GP1804G-V,GP1804G-C)
  1200Mbps (GP1804G-A)

Optical Characterstics

- SFF optical module
- SC/UPC optical PHY (single-mode fiber)
- Downlink 2.5Gbps / uplink 1.25Gbps
- 20km distance
- Tx Power:+0dbm ~ +4dbm
- Rx Sensitivity:-27dbm

CATV RF (GP1804G-C)

- 75Ω, F style (CATV connection) British standard
- Output level: >=70dBuV@-15~-5dbm

WiFi

- 802.11b/g/n
- 802.11ac (GP1804G-A)
- MIMO, max rate up to 1200Mbps (GP1804G-A)
- Multi-SSID
- SSID encryption

Layer 2 switching Functions

- STP/RSTP
- Port based Vlan,IEEE802.1Q
- VLAN Stacking(QinQ),selective QinQ
- IEEE 802.3ad link aggregation(LACP)
- IEEE802.3x in full duplex, back pressure in half duplex,Head of Line
- MAC management(Learning control, limit and aging) support
- EAPS loop circuit protection
- Ethernet – II, Ethernet-SNAP

Network Security

- Access Control List (ACL)
- Port/MAC binding,MAC filtering and Limit
- Per VLAN User Isolation
- Packet mirroring per ingress/egress port
- Limiting the maximum number of users per port
- Broadcast/Multicast/DLF storm control
- Dying-Gasp

Multicast

- IGMPv1/v2/v3, IGMP Snooping
- Multicast Vlan,Fast Leave
- Multicast control support

Quality of Service (QoS)

- 4 CoS queuing
- IEEE 802.1 p and DSCP PRI Mark/remark
- SP and WRR congestion management
- Classification based Traffic Metering, Shaping and Marking
- CAR

Management

- Web-enabled GUI based local configuration
- FTP/TFTP,Telenet,Console interface with CLI
- Local or the server's syslog log

Safety Compliance

- CE marking
- FCC Class A
- ROHS5,CCC
- VCCI Class B
- EN 60950-1
  UL 60950-1

Order Information

TSCOM GP1804G - ONU	
GP1804G-V	FTTH/O ONU, 1 GPON interface (SC/UPC), 4GE, 2 POTS, external dual antenna(300M WiFi),1 USB interface (USB2.0), plastic hull, external WiFi, DC12V/0.5A, external adaptor
GP1804G-A	FTTH/O ONU, 1 GPON interface (SC/UPC), 4GE, 2 POTS, external dual antenna(1200M WiFi),1 USB interface (USB2.0), plastic hull, external WiFi, DC12V/0.5A, external adaptor
GP1804G-C	FTTH/O ONU, 1 GPON interface (SC/UPC), 4GE, 2 POTS, 1RF (British system),external dual antenna(300M WiFi), 1 USB interface (USB2.0), plastic hull, external WiFi, DC12V/0.5A, external adaptor

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About Technology Co., Ltd

Telesail Technology is professional in IP-based, end-to-end networking solutions and international service and support. The company sells its broadband, wireless,transmission solutions to operators in both emerging and established telecommunications markets around the world. Telesail enables its customers to rapidly deploy revenue-generating access services using their existing infrastructure, while providing a migration path to cost-efficient, end-to-end IP networks.

For more information about Telesail, visit the company's Web site at http://www.telesail.com