

TSCOM TP1804G

COMMERCIAL 1000M GEPON CUSTOMER PREMISE DEVICE

*Integrated With Wireless and Voice smart HGU
Delivers Multi-Services Over Gigabit Ethernet Passive Network(Gepon)*



TSCOM TP1804G
EPON ONU

- **FULL IEEE802.3/802.3AH COMPLIANCE**
- **COMPACT CHASSIS**
- **802.11N TECHNOLOGY FOR EXTREME PERFORMANCE AND COVERAGE**
- **SERVICE SUPPORTED:
VOIP, IP VIDEO AND DATA**
- **MULTIPLE 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 TP1804G ONU supporting cost-effective EPON 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 TP1804G 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 TP1804G 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 TP1804G provides an uplink to the central office through its EPON 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 TP1804G is a critical element in the successful delivery of multimedia video, voice and data over a single optical fiber.

The TP1804G 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 TP1804G is easily upgradeable, making it future-proof for both end-users and service providers.The TP1804G 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 office. 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 EPON interface
- 4 10/100/1000 Base-T interface
- 2 POTS
- 1 USB2.0
- 802.11b/g/n
300Mbps (TP1804G-V,TP1804G-C)
1200Mbps (TP1804G-A)

Optical Characteristics

- SFF optical module
- SC/UPC optical PHY (single-mode fiber)
- Tx:1310nm Rx:1490nm
- 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 (TP1804G-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,Telnet,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

TSCOMTP1804G - ONU

TP1804G-V	FTTH/O ONU, 1 EPON 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
TP1804G-A	FTTH/O ONU, 1 EPON 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
TP1804G-C	FTTH/O ONU, 1 EPON 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>