

Technical Specifications

General

Device Interfaces	• IEEE 802.11 ax/ac/n/g/b • 4 x GE LAN ports (1 acts as WAN) • 1 x Phone port	• 1 x PON port • 1 x USB 2.0 port • 1 x SIM slot
Buttons	• One Power on/off button • One WPS on/off button	• One reset button • One WLAN on/off button
LEDs	• Power • Internet • PON • LOS • WAN • LAN1 • LAN2	• LAN3 • LAN4 • TEL • USB • WPS • 5G/LTE
Antenna Type	2 x Wi-Fi external antennas	4 x 5G internal antennas
Wi-Fi Standards	IEEE 802.11a/b/g/n/ac/ax	
Wi-Fi Specification	2.4 GHz up to 600 Mbps (MIMO 2x2)	5 GHz up to 2400 Mbps (MIMO 2x2)
Number of Users	64 (32 on 2.4 GHz + 32 on 5 GHz), MU-MIMO	

GPON Features

GPON Features	• ITU-T G.984.x compliant. • Downstream/upstream rates up to 2.5 Gbps / 1.25 Gbps. • OMCI remote configuration and management. • Multiple VLANs and QoS. • IGMP snooping for multicast services. • Triple Play support: data, voice, IPTV. • Dynamic Bandwidth Allocation (DBA).
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Cellular

Compatible Networks 5G NSA/SA; 4G LTE (FDD/TDD); 3G UMTS WCDMA; GSM EDGE/GPRS.

5G Bands n1 / n3 / n5 / n7 / n8 / n20 / n28 / n38 / n40 / n41 / n77 / n78.

LTE-FDD B1 / B3 / B5 / B7 / B8 / B20 / B28 / B32.

LTE-TDD B34 / B38 / B39 / B40 / B41 / B42 / B43.

WCDMA B1 / B5 / B8.

Bandwidth

- Sub-6G NSA: 2.15 Gbps DL / 550 Mbps UL
- Sub-6G SA: 4 Gbps DL / 1 Gbps UL
- 4G LTE: 300 Mbps DL / 50 Mbps UL
- WCDMA/HSPA+: 42.2 Mbps DL / 5.76 Mbps UL
- GPRS/EDGE: 236.8 Kbps DL / UL

Functionality

Encryption	• WEP • WPA/WPA2 (Personal/Enterprise)	• WPA3 (Personal) • WPS (PBC)
Advanced Features	• Web setup wizard • Router/AP/Repeater/Client modes • Periodic scan and auto channel switch	• Wi-Fi client smart adjustment • Guest Wi-Fi network • SPI firewall
Router/Bridge Features	• IEEE 802.1D transparent bridge and spanning tree • DHCP client/server • DNS proxy/dynamic DNS • MAC encapsulation routing/IPoE • IGMP v1/v2/v3	• NAT • NAT virtual server (port forwarding) • PPPoE • PPPoA • Static/policy route • IPv4/IPv6
TRO69	Support	SNMP Support
L2/L3 Firewall	Support	DMZ Support
SSH/Telnet	Support	PPTP/L2TP VPN client Support

Physical

Case	ABS material, plastic case	
Power Adapter	Input: 100 to 240 V AC, 50/60 Hz	Output: 12 V DC, 1.5 A
Temperature	Operating: -35 to 75 °C	Storage: -40 to 85 °C
Humidity	Operating: 10% to 90% non-condensing	Storage: 5% to 95% non-condensing

Order Information

Part Number	TW346A
Description	AX3000 GPON + 5G Hybrid Router

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AX3000
WI-FI 6

GPON + 5G Hybrid Router

TW346A



ONE MESH
Whole Home Wifi



WI-FI 6
AX3000

GPON AX3000 WI-FI 6 GPON + 5G Hybrid Router TW346A



Wi-Fi 6 AX3000

Perfect for 4K streaming, VR gaming, video calling and keeping all your smart home devices connected.



5G Failover

Automatically switches to 5G mobile backup to keep your home or office online when fiber service is interrupted.



One Mesh

Seamlessly connects your devices to the strongest signal as you move from room to room.



OFDMA

Perfect for smart homes filled with bandwidth-hungry IoT devices battling for bandwidth.



Smart Steering

Automatically steers your devices to the optimal wireless band, ensuring fast, reliable Wi-Fi.



Profile-based Parental Controls

Assign devices to profiles, set schedules and block websites.

• High-Speed Hybrid Connectivity

Wi-Fi 6 AX3000 technology with GPON fiber for ultra-fast broadband, plus 5G mobile backup/access for uninterrupted connectivity. Combines fiber and 5G for a more reliable, always-on internet experience.

• Flexible Bandwidth

Dual-band Wi-Fi 6 with speeds up to 3000 Mbps and intelligent traffic management. Supports broadband continuity with 5G backup/failover for greater reliability.

• Easy Setup & Management

Web-based management interface for simplified configuration.

Quick setup wizard helps you get online in minutes.

Advanced security features including WPA3/WPA2 encryption and remote management.

The GPON AX3000 + 5G Hybrid Router is a next-generation networking solution built for homes and offices, combining high-capacity fiber broadband with 5G mobile backup to deliver reliable, always-on connectivity. With Wi-Fi 6 dual-band technology and intelligent failover, it ensures seamless performance for all your connected devices.

GPON AX3000 WI-FI 6 + 5G TW346A | ONT Router Combo



Top View (LED Indicators)

Rear View



Left Side View



Right Side View