Technical Specifications

General

Device Interfaces	•IEEE 802.11 ax/ac/n/g/b •1 x 10/100/1000 WAN port •1 x Pon port		•4 x 10/100/1000 Gigabit LAN ports •1 x Phone port •1 x USB 2.0 port	
Button	One Power on/off button One reset button		One WPS on/off button One WLAN on/off button	
LEDs	•Power •Internet •PON	•1Phone •WLAN 2.4 GHz •1WAN	•USB •WLAN 5 GHz •WPS	•4LAN
Antenna Type	Two External antennas			
Standards	IEEE 802.11a/b/g/n/ac/ax			
GPON Features	•ITU-T G.984.x (GPON) compliant •Supports downstream/upstream rates of up to 2.5 Gbps / 1.25 Gbps •OMCI (ONU Management Control Interface) for remote configuration and management •Multiple VLANs and QoS for efficient traffic prioritization •Supports IGMP snooping for multicast services •Compatible with Triple Play Services (Data, Voice, and IPTV) •Dynamic Bandwidth Allocation (DBA) for optimized network performance			
Wi-Fi Specification	Rate: 2.4GHz: 600Mbps (MIMO2x2) 5GHz: 2400Mbps (MIMO 2x2)		Antenna: 2.4GHz External, 5GHz External	
Number of Concurrent Users	64(32x2.4GHz-32x5GHz), (MU-MIMO)			
Minimum Requirements	Windows 10/8.1/8/7/Vista or Mac OS X 10.6 or higher, Supports Internet Explorer 10/Firefox 28.0/Chrome 28.0/Safari 6.0 and up, Network Interface Card			

Functionality

Encryption	•WEP •WPA/WPA2 (Personal/Enterprise)		•WPA3 (Personal) •WPS (PBC)
Advanced Features	•Web setup wizard •Wi-Fi client smart adjustment •Stateful Packet Inspection (SPI) •Guest Wi-Fi network		•Router, Access Point, Repeater, Client modes •Periodic scan of channels, automatic switch to least loaded channel
Router/Bridge Features	•IEEE 802.1D transparent bridge & basic spanning tree •MAC encapsulation routing/IPoE •DHCP client/server	•PPPoE (RFC 2516) •Network Address Translation (NAT) •DNS proxy/dynamic DNS •IGMP v1, v2, v3	•PPPoA (RFC 2364) •NAT virtual server (port forwarding) •Static/Policy route •IPv4/IPv6
TR069	Support	SNMP	Support
L2/L3 Firewall	Support	DMZ	Support
SSH/Telnet	Support	PPTP, L2TP VPN client	Support

Physical

Case	ABS Material, Plastic case		
Weight	450 g (0.55 lbs)	**Certifications**	CE
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	TWFB0201A010-WI
Description	AX3000 ONT Router

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TelecomWadi

WI-FI 6 GPON AX3000

TW316A

Wi-Fi 6 AX3000

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

Wi-Fi Auto Connect

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 you're always connected to fast, reliable Wi-Fi.

Profile-based Parental Controls

Assign devices to profiles to individually block websites, set schedules for access

- **High-Speed Connectivity**

802.11ax Wi-Fi 6 technology delivers ultra-fast wireless speeds with enhanced capacity and efficiency.
GPON WAN port enables high-bandwidth fiber optic Internet access.
Four 10/100/1000 Gigabit LAN ports provide reliable wired connections.

- **Flexible Bandwidth**

Concurrent dual-band wireless for combined speeds up to 3000 Mbps*.
Ideal for 4K/8K video streaming, large file transfers, and low-latency gaming.

- **Easy Setup & Management**

Web-based management interface for simplified configuration.
Quick setup wizard helps you get online in minutes.
Advanced security features including WPA3 encryption and firewall controls.

The **GPON AX3000 Router** is a next-generation networking solution built for homes and offices demanding high-capacity fiber broadband. Featuring Wi-Fi 6 dual-band technology and Gigabit Ethernet, it delivers seamless performance for all connected devices.

GPON AX3000 WI-FI 6 ADSL2/VDSL2+

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