

## Technical Specifications

| General                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                          |                                                                                                                                                                              |                                                                      |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Device Interfaces          | <ul style="list-style-type: none"><li>• IEEE 802.11 ac/a/n/g/b</li><li>• 1 x 10/100/1000 WAN port</li><li>• 1 x Pon port</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                          | <ul style="list-style-type: none"><li>• 4 x 10/100/1000 LAN ports</li><li>• 1 x Phone port</li><li>• 1 x USB 2.0 port</li></ul>                                              |                                                                      |
| Button                     | One Power on/off button<br>One reset button                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                          | One WPS on/off button<br>One WLAN on/off button                                                                                                                              |                                                                      |
| LEDs                       | <ul style="list-style-type: none"><li>• Power</li><li>• 1WAN</li><li>• WPS</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <ul style="list-style-type: none"><li>• Internet</li><li>• WLAN 2.4 GHz</li><li>• 1 Phone</li></ul>                                                                      | <ul style="list-style-type: none"><li>• PON</li><li>• WLAN 5 GHz</li></ul>                                                                                                   | <ul style="list-style-type: none"><li>• 4LAN</li><li>• USB</li></ul> |
| Antenna Type               | 2 External Antenna                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                          |                                                                                                                                                                              |                                                                      |
| Standards                  | IEEE 802.11a/b/g/n/ac                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                          |                                                                                                                                                                              |                                                                      |
| GPON Features              | <ul style="list-style-type: none"><li>• ITU-T G.984.x (GPON) compliant</li><li>• Supports downstream/upstream rates of up to 2.5 Gbps / 1.25 Gbps</li><li>• OMCI (ONU Management Control Interface) for remote configuration and management</li><li>• Multiple VLANs and QoS for efficient traffic prioritization</li><li>• Supports IGMP snooping for multicast services</li><li>• Compatible with Triple Play Services (Data, Voice, and IPTV)</li><li>• Dynamic Bandwidth Allocation (DBA) for optimized network performance</li></ul> |                                                                                                                                                                          |                                                                                                                                                                              |                                                                      |
| Wi-Fi Specification        | <ul style="list-style-type: none"><li>• Rate: 2.4GHz: 300Mbps (MIMO 2x2)</li><li>• 5GHz: 867Mbps (MIMO 2x2)</li><li>• Antenna: 2.4GHz Internal, 5GHz INTERNAL</li></ul>                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                          |                                                                                                                                                                              |                                                                      |
| 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                 | <ul style="list-style-type: none"><li>• WEP</li><li>• WPA/WPA2 (Personal/Enterprise)</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                          | <ul style="list-style-type: none"><li>• WPA3 (Personal)</li><li>• WPS (PBC)</li></ul>                                                                                        |                                                                      |
| Advanced Features          | <ul style="list-style-type: none"><li>• Web setup wizard</li><li>• Wi-Fi client smart adjustment</li><li>• Stateful Packet Inspection (SPI)</li><li>• Guest Wi-Fi network</li></ul>                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                          | <ul style="list-style-type: none"><li>• Router, Access Point, Repeater, Client modes</li><li>• Periodic scan of channels, automatic switch to least loaded channel</li></ul> |                                                                      |
| Router/Bridge Features     | <ul style="list-style-type: none"><li>• IEEE 802.1D transparent bridge &amp; basic spanning tree</li><li>• MAC encapsulation routing/IPoE</li><li>• DHCP client/server</li></ul>                                                                                                                                                                                                                                                                                                                                                          | <ul style="list-style-type: none"><li>• PPPoE (RFC 2516)</li><li>• Network Address Translation (NAT)</li><li>• DNS proxy/dynamic DNS</li><li>• IGMP v1, v2, v3</li></ul> | <ul style="list-style-type: none"><li>• PPPoA (RFC 2364)</li><li>• NAT virtual server (port forwarding)</li><li>• Static/Policy route</li><li>• IPv4/IPv6</li></ul>          |                                                                      |
| TR069                      | Support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SNMP                                                                                                                                                                     | Support                                                                                                                                                                      |                                                                      |
| L2/L3 Firewall             | Support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DMZ                                                                                                                                                                      | Support                                                                                                                                                                      |                                                                      |
| SSH/Telnet                 | Support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PPTP, L2TP VPN client                                                                                                                                                    | Support                                                                                                                                                                      |                                                                      |
| Physical                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                          |                                                                                                                                                                              |                                                                      |
| Case                       | ABS Material, Plastic case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Dimensions                                                                                                                                                               | 220 x 200 x 36 mm                                                                                                                                                            |                                                                      |
| 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                | AC1200 ONT Router                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                          |                                                                                                                                                                              |                                                                      |

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AC1200

GPON Router

TW315A

WIRELESS  
AC WAVE 2  
TECHNOLOGY

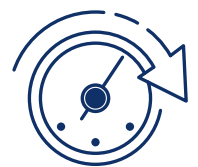


DUAL-BAND WI-FI  
FOR SEAMLESS PERFORMANCE



## AC1200 GPON Router

**TW315A**



### High-Speed Connectivity

- **802.11ac Wave 2 Wi-Fi** delivers fast wireless connections with improved range.
- **GPON WAN port** provides reliable fiber optic Internet access.
- **Four 10/100/1000 Gigabit LAN ports** for high-speed wired connectivity.



### Flexible Bandwidth

- **Dual-band concurrent wireless** for speeds up to 1200 Mbps.
- Optimized for HD streaming, web browsing, and video conferencing.



### Easy Setup & Management

- **Browser-based configuration** for quick installation.
- **User-friendly setup wizard.**
- **Firewall, QoS, and access control** for secure network management.

The GPON AC1200 Router is an affordable fiber-ready solution for households and small businesses. Combining dual-band Wi-Fi 5 and Gigabit Ethernet, it ensures stable, high-speed connectivity across all your devices.

### High-Speed Wired and Wireless Connectivity

Leverage the GPON WAN port to maximize your fiber optic broadband. Dual-band Wi-Fi delivers up to 1200 Mbps\* wireless speeds to keep your network running smoothly, whether you're streaming movies or working from home.

**Gigabit LAN ports offer solid, dependable wired performance.**

### 802.11ac Wave 2 for Improved Performance

The TW315A AC1200 GPON Router features the updated 802.11ac Wave 2

The new and improved specification increases maximum speeds for the 5 GHz band and adds more channels for higher speeds and less RF interference. This means you can surf the web or make Internet phone calls on the 2.4 GHz band while streaming digital media on the 5 GHz band from another room with minimal lag and stutter.

The AC1200 GPON Router features MU-MIMO, which transmits data to

### Easy to Set Up

Sharing your Internet connection doesn't have to be a complicated process - just open a web browser to access Router, a user-friendly graphical web interface. The setup wizard's easy to use step-by-step instructions will have your network up and running in minutes.

Implement the latest Wi-Fi security with 128-bit encryption in minutes with the setup wizard, or use Wi-Fi Protected Setup (WPS), which establishes a connection to new devices with the touch of a button.

## AC1200 GPON Router

**TW315A**

