TelecomWadi

AC1200
ADSL2/VDSL2+ Router

TW115A

WIRELESS
AC WAVE 2
TECHNOLOGY



DUAL-BAND WI-FI

FOR SEAMLESS PERFORMANCE

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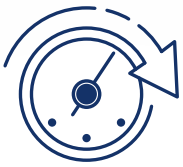

High-Speed Connectivity

- 802.11ac Wave 2 wireless specification delivers blazing fast wireless connectivity with increased range and reliability.
- 10/100/1000 Gigabit WAN port for speedy Internet access.
- Four 10/100/1000 Gigabit LAN ports give you high-speed wired connectivity.



Flexible Bandwidth

- Concurrent dual-band wireless for connections up to 1200 Mbps[1].



Easy Setup & Management

- Web browser-based setup and configuration.
- Setup wizard to guide you through the configuration process.
- Firewall and access control options.

The TW115A AC1200 ADSL2/VDSL2+ Router is a powerful wireless networking solution designed for Small Office/Home Office (SOHO) environments. By combining high speed 802.11 ac Wave 2 Wi-Fi specification with dual-band technology and Gigabit Ethernet ports, the TW115A provides a seamless networking experience with a high degree of convenience and flexibility for SOHOs.

High-SpeedWired and Wireless Connectivity

The TW115A AC1200 ADSL2/VDSL2+ Router upgrades your network to the latest high- speed wireless technology to bring you lightning-fast Wi-Fi speeds of up to 1200 Mbps1 so you can meet the ever-greater demand for multimedia applications. Enjoy streaming media, Internet phone calls, online gaming, and content-rich web surfing throughout your home or office.

In addition, the 10/100/1000 Gigabit Ethernet ports give you solid, dependable wired performance for devices.

802.11ac Wave 2 for Improved Performance

The TW115A AC1200 ADSL2/VDSL2+ Router features the updated 802.11ac Wave 2 specification, which improves on the bandwidth, range, and speed of 802.11ac Wave.

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 ADSL2/VDSL2+ Router features MU-MIMO, which transmits data to multiple wireless devices simultaneously to increase speed and efficiency.

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.

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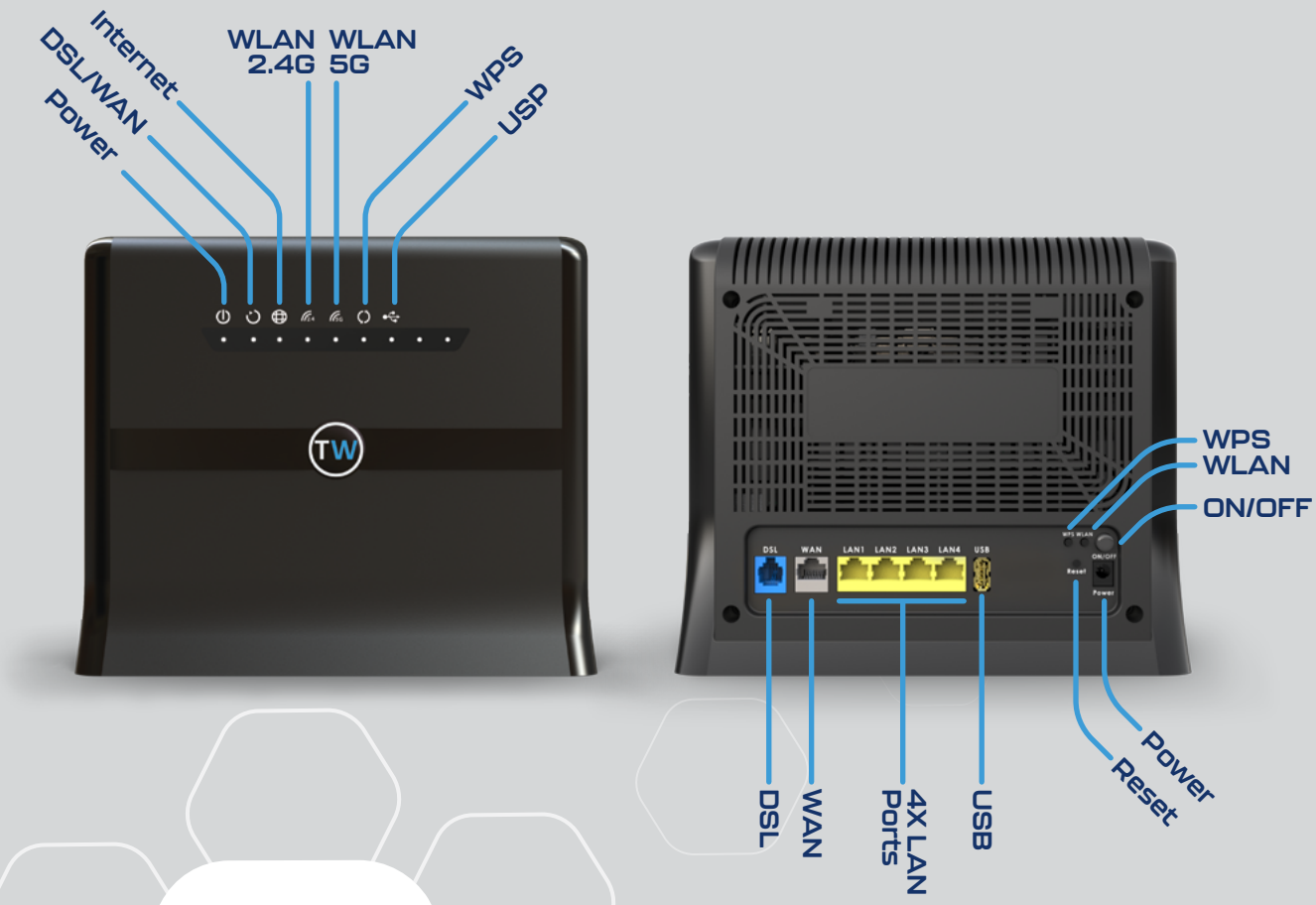

Technical Specifications

General				
Chipset	**Main Chipset** VSBM350		**WIFI 5 Chipset** X2 TR5120	
Device Interfaces	• IEEE 802.11 ac/n/g/b wireless LAN • 1 x 10/100/1000 Gigabit WAN port • 1 x RJ-11 xDSL port		• 4 x 10/100/1000 Gigabit LAN ports • 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 • 1WAN • WPS	• Internet • WLAN 2.4 GHz	• Broadband • WLAN 5 GHz	• 4LAN • USB
Antenna Type	Four internal antennas			
Standards	IEEE 802.11a/b/g/n/ac			
ADSL Features	T1.413i2, G.992.1, G.dmt, G.992.2, G.lite, G.992.3 (ADSL2), G.992.5 (ADSL2+), Annex L (Reach Extended ADSL2), Annex M (Reach Extended ADSL2+)			
VDSL Features	ITU-T G.993.5 VDSL2, 8a, 8b, 8c, 8d, 12a, 12b, 17a,35b profiles, G.vector, G.INP, multiple PVCs			
Wi-Fi Specification	Rate: 2.4GHz: 300Mbps (MIMO 2x2) 5GHz: 867Mbps (MIMO 2x2) Antenna: 2.4GHz 3dBi Internal, 5GHz 3dBi Internal IEEE 802.11a/b/g/n/ac			
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	
Web based Management - GUI		Support		
Physical				
Case	ABS Material, Plastic case	**Dimensions**	18.8 x 16 x 7 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				
Model Number	TW115A			
Description	AC1200 Wi-Fi5 ADSL2/VDSL2+ Modem Router			

- The TW115A may not support all of the mandatory features, established in Wave 1 of the IEEE 802.11ac specifications
- Maximum wireless signal rate derived from IEEE Standard 802.11ac specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, may lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.

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