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# TD-W9950(EU) 1.0 Datasheet






## 300 Mbps Wireless N VDSL/ADSL Modem Router



## Overview

- **Versatile Connectivity:** With DSL and LAN/WAN ports, TD-W9950 is fully compatible with the VDSL2/ADSL2+/ADSL2/ADSL standards and also works with fiber/cable access.
- **Boosted Speeds:** Superfast VDSL broadband speeds of up to 100Mbps together with 300Mbps Wi-Fi.
- **Maximized Range:** Powerful external antennas provide far-reaching wireless coverage in every direction.

# Features

|   |   |
|---|---|
|    | <p><b>Wi-Fi Speed</b></p> <ul style="list-style-type: none"> <li>· Quick, everyday Wi-Fi – 300Mbps Wi-Fi allows stable speed for wireless activities, such as streaming, surfing, browsing and posting social media</li> <li>· Fast Ethernet– Fast Ethernet port for rapid, reliable wired connections to desktops, game consoles and IPTVs</li> </ul>  |
|    | <p><b>Wi-Fi Range</b></p> <ul style="list-style-type: none"> <li>· Superior Coverage – Two 5dBi high-gain antennas open network coverage across your home and 2 × 2 MIMO technology improves signal stability</li> </ul>  |
|   | <p><b>Reliability</b></p> <ul style="list-style-type: none"> <li>· IPv6 – Compatible with IPv6 (Internet Protocol version 6)</li> <li>· IPTV – Supports Bridge for smooth IPTV application</li> <li>· Quality of Service – Priorities data transmission according to IPP/ToS, DSCP and 802.1p</li> </ul>  |
|  | <p><b>Ease of Use</b></p> <ul style="list-style-type: none"> <li>· Intuitive Web UI – Ensures quick and simple installation without hassle</li> <li>· Fast Encryption – One-touch WPA wireless security encryption with the WPS button</li> <li>· Wi-Fi On/Off – Allows users to simply turn wireless radio on or off</li> <li>· Power On/Off – Conveniently power on or off your router as required</li> </ul> |
|  | <p><b>Security</b></p> <ul style="list-style-type: none"> <li>· SPI &amp; NAT Firewall – Protects end-user devices from potential attacks from across the Internet</li> <li>· Guest Network – Provides separate access for guests while securing the home network</li> <li>· Encryptions for Secure Network – WPA-PSK/WPA2- PSK encryptions provide active protection against security threats</li> </ul>       |

## Specifications

| <b>Hardware</b>        |   |
|------------------------|---|
| Interface              | 3 × 10/100Mbps LAN Ports<br>1 × 10/100 LAN/WAN Port<br>1 × DSL Port   |
| Buttons                | Power On/Off Button, WPS/Wi-Fi Button, RESET Button   |
| Antennas               | 2 × 5dBi Fixed Omni-Directional Antenna   |
| External Power Supply  | 9V/0.85A  |
| Dimensions (W x D x H) | 7.1 × 4.9 × 1.4 in (181.6 × 125.7 × 36.2mm)   |
| <b>Wireless</b>        |   |
| Wireless Standards     | IEEE 802.11g, 802.11b, 802.11n  |
| Compability            | VDSL/ADSL2+/ADSL2/ADSL  |
| EIRP (CE)              | <20dBm(EIRP)  |
| Wireless Security      | Support 64/128 bit WEP, WPA-PSK/WPA2-PSK  |
| <b>Software</b>        |   |
| Quality of Service     | QoS Remarking based on IPP/ToS, DSCP and 802.1p   |
| Security               | NAT Firewall, SPI Firewall, MAC / IP / Packet / Application / URL Filtering, Denial of Service (DoS), SYN Flooding, Ping of Death   |
| Management             | Web Based Configuration (HTTP), Remote management, Telnet management, Command Line Interface, SSL fro TR-069, Web Based Firmware Upgrade, CWMP (TR-069), Diagnostic Tools |

| <b>Hardware</b>   |   |
|-------------------|---|
| Port Forwarding   | Virtual Server, DMZ, ACL (Access Control List)  |
| VPN Pass-Through  | PPTP, L2TP, IPSec Pass-through  |
| ATM/PPP Protocols | ATM Forum UNI3.1/4.0, PPP over ATM (RFC 2364), PPP over Ethernet (RFC2516), IPoA (RFC1577/2225), PVC - Up to 8 PVCs   |
| Advanced Features | Traffic Shaping (ATM QoS) UBR, CBR, VBR-rt, VBR-nrt;<br>Dynamic Host Configuraton Protocol (DHCP), DHCP relay;<br>Network Address Translation (NAT);<br>PVC/Ethernet Port Mapping VLAN, 802.1P, Static Routing, RIP v1/v2 (optional);<br>DNS Relay, DDNS, IGMP snooping V1/2, IGMP Multicast UPnP |
| <b>Others</b>     |   |
| Certification     | CE, RoHS  |
| Requirements      | Edge, Firefox, Chrome, Safari, or other JavaScript-enabled browser<br>*You are recommended to use the latest version  |
| Environment       | <ul style="list-style-type: none"> <li>• Operating Temperature: 0°C~40°C (32°F ~104°F)</li> <li>• Storage Temperature: -40°C~60°C (-40°F ~140°F)</li> <li>• Operating Humidity: 10%~90% non-condensing</li> <li>• Storage Humidity: 5%~90% non-condensing</li> </ul>                              |

| Hardware         |  |
|------------------|--|
| Package Contents | <ul style="list-style-type: none"> <li>• DSL Modem Router TD-W9950 .....</li> <li>• External DSL Splitter</li> <li>• RJ11 DSL Cable</li> <li>• RJ45 Ethernet Cable</li> <li>• Quick Installation Guide</li> <li>• Power Adapter</li> </ul> |

Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage, and number of connected devices are not guaranteed and will vary as a result of network conditions, client limitations, and environmental factors, including building materials, obstacles, volume and density of traffic, and client location.

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