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FCC ID: TE7TDW8968V1

To the attention of
Federal Communications Commission
Authorization and Evaluation Division

Confidentiality Request

Pursuant to Sections 0.457 and 0.459 of the Commission's Rules, the Applicant hereby requests confidential treatment of information accompanying this Application as outlined below:
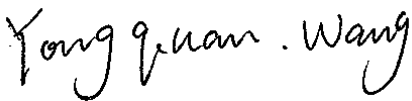
Schematics

Block Diagram

Operational Description

The above materials contain trade secrets and proprietary information not customarily released to the public. The public disclosure of these matters might be harmful to the Applicant and provide unjustified benefits to its competitors.

The Applicant understands that pursuant to Rule 0.457, disclosure of this Application and all accompanying documentation will not be made before the date of the Grant for this application.

Sincerely yours,

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Overview of the Modem Router

The TD-W8968 300Mbps Wireless N USB ADSL2+ Modem Router integrates 4-port Switch, Firewall, NAT-Router and Wireless AP. Powered by 2x2 MIMO technology, the Wireless N Router delivers exceptional range and speed, which can fully meet the need of Small Office/Home Office (SOHO) networks and the users demanding higher networking performance.

The TD-W8968 300Mbps Wireless N USB ADSL2+ Modem Router utilizes integrated ADSL2+ transceiver and high speed MIPS CPU. The Router supports full-rate ADSL2+ connectivity conforming to the ITU and ANSI specifications.

In addition to the basic DMT physical layer functions, the ADSL2+ PHY supports dual latency ADSL2+ framing (fast and interleaved) and the I.432 ATM Physical Layer.

The router provides up to 300Mbps wireless connection with other 802.11n wireless clients. The incredible speed makes it ideal for handling multiple data streams at the same time, which ensures your network stable and smooth. The performance of this 802.11n wireless Router will give you the unexpected networking experience at speed 650% faster than 802.11g. It is also compatible with all IEEE 802.11g and IEEE 802.11b products.

With multiple protection measures, including SSID broadcast control and wireless LAN 64/128 WEP encryption, Wi-Fi protected Access (WPA2-PSK, WPA-PSK), as well as advanced Firewall protections, the TD-W8968 300Mbps Wireless N USB ADSL2+ Modem Router provides complete data privacy.

The Router provides flexible access control, so that parents or network administrators can establish restricted access policies for children or staff. It also supports Virtual Server and DMZ host for Port Triggering, and then the network administrators can manage and monitor the network in real time with the remote management function.

Since the Router is compatible with virtually all the major operating systems, it is very easy to manage. Quick Setup Wizard is supported and detailed instructions are provided step by step in this user guide. Before installing the Router, please look through this guide to know all the Router's functions.

Main Features

➢ Four 10/100Mbps Auto-Negotiation RJ45 LAN ports (Auto MDI/MDIX), one RJ11 port.

➢ Provides external splitter.

➢ Adopts Advanced DMT modulation and demodulation technology.

➢ Supports bridge mode and Router function.

➢ Multi-user sharing a high-speed Internet connection.

➢ Downstream data rates up to 24Mbps, upstream data rates up to 3.5Mbps (With Annex M enabled).

➢ Supports long transfers, the max line length can reach to 6.5Km.

➢ Supports remote configuration and management through SNMP and CWMP.

➢ Supports PPPoE, it allows connecting the internet on demand and disconnecting from the Internet when idle.

➢ Provides reliable ESD and surge-protect function with quick response semi-conductive surge protection circuit.

➢ High speed and asymmetrical data transmit mode, provides safe and exclusive bandwidth.

➢ Supports All ADSL industrial standards.

➢ Compatible with all mainstreams DSLAM (CO).

➢ Provides integrated access of internet and route function which face to SOHO user.

➢ Real-time Configuration and device monitoring.

➢ Supports Multiple PVC (Permanent Virtual Circuit).

➢ Built-in DHCP server.

➢ Built-in firewall, supporting IP/MAC filter, Application filter and URL filter.

➢ Supports Virtual Server, DMZ host and IP Address Mapping.

➢ Supports Dynamic DNS, UPnP and Static Routing.

➢ Supports system log and flow Statistics.

➢ Supports firmware upgrade and Web management.

➢ Provides WPA-PSK/WPA2-PSK data security, TKIP/AES encryption security.

➢ Provides 64/128-bit WEP encryption security and wireless LAN ACL (Access Control List).

➢ Supports USB Storage Sharing, Print Server, FTP Server, Media Server.

➢ Supports Ethernet WAN (EWAN).

➢ Supports Bandwidth Control.