N150 Wireless ADSL 2/2+ Modem Router
TEW-718BRM (v1.0R)

The N150 Wireless ADSL 2/2+ Modem Router, model TEW-718BRM, provides both a modem for Internet access and a wireless n network in a single solution. No need to buy a separate modem and router. This modem supports Internet service providers with ADSL 2 and ADSL 2+ networks.

Install TEW-718BRM quickly with a step-by-step setup wizard to browse the Internet, download files, and video chat with the latest in wireless n technology. Connect computers, game consoles, and media players to the built-in 4-port switch. WMM® Quality of Service (QoS) technology prioritizes online gaming, Internet calls, and video streams. One-touch Wi-Fi Protected Setup (WPS) connects WPS peripheral devices at the touch of a button.

PRODUCT OVERVIEW

- Combination modem and wireless n router
- Compatible with ADSL 2 and ADSL 2+ ISP networks
- No need to rent a modem from a service provider
- Four Ethernet ports for wired devices

WIRELESS N150

FEATURES

- 4 x 10/100 Mbps Auto-MDIX RJ-45 LAN ports (option to convert one RJ-45 port 1 to a WAN port)

- 1 x RJ-11 (telephone) ADSL WAN port (Internet)

- Detachable antenna

- WPS / reset button

- Status LEDs

- Router + Modem or Modem Only (Bridge) modes

- Modem compliant with ADSL, ASDL2, and ADSL2+ standards

- Wireless

    - Data rates of up to 150 Mbps, based on IEEE 802.11n*

    - Backward compatible with IEEE 802.11b/g standards

    - Create a wireless schedule to automatically turn off wireless when away

    - Broadcast up to 2 SSIDs with different wireless encryption

    - Wi-Fi Multimedia (WMM) Quality of Service (QoS) data prioritization

    - Advanced wireless encryption up to WPA2-RADIUS

    - One touch wireless connection using the WPS button

- Supports up to 8 PVCs

- Support for IPv6: Static, DHCPv6, PPPoE, 6 to 4, and IPv6 in IPv4 Tunnel, Stateful / Stateless Auto-configuration

- Support for port-based and 802.1Q VLANs (ID range: 1~4094)

- Set device time using Network Time Protocol (NTP) and define schedules for Wireless, Virtual Server, and Packet Filters

- Smart Quality of Service (QoS) controls to allocate bandwidth to: Gaming, Chat, VoIP, P2P, Video, and Web Access

- Advance Firewall protection with Network Address Translation (NAT), Stateful Packet Inspection (SPI), and WAN stealth mode

- Supports Internet Group Multicast Protocol IGMPv1/2/3 proxy and snooping for multicast applications

- Access Control: Virtual Servers, MAC / IP Packet Filters, URL / Keyword Filters, Demilitarized Zone (DMZ) host, PPTP / L2TP / IPsec VPN pass through

- Supports static and dynamic RIP v1/2 routing

- Dynamic DNS support

- Universal Plug and Play (UPnP) for auto discovery and support for device configuration of Internet applications

- Local / remote management via Web browser, upgrade firmware, and backup / restore configuration

- Supports TR069 remote management (CPE and ACS support)

- Device monitoring using modem and router logs, email alerts, and SNMP v1/2c support

- 3-year limited warranty

 * Maximum wireless signal rates are referenced from IEEE 802.11 theoretical specifications. Actual data throughput and coverage will vary depending on interference, network traffic, building materials and other conditions.

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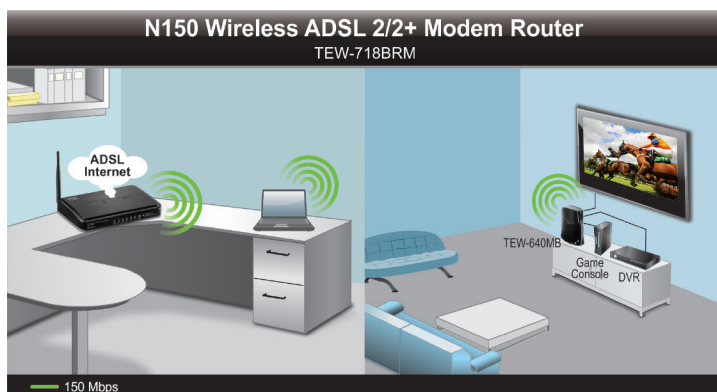**WIRELESS N150**

SPECIFICATIONS

HARDWARE	

Standards	• IEEE 802.3, IEEE 802.3u, IEEE 802.1Q, IEEE 802.1p, IEEE 802.11b, IEEE 802.11g, based on IEEE 802.11n technology
	• Complies with ADSL standards
	   • ANSI T1.413 Issue2
	   • G.992.1 (G.dmt, Annex A)
	   • G.992.2 (G.lite)
	• Complies with ADSL2 standard
	   • G.992.3 (G.dmt.bis, Annex L)
	• Complies with ADSL2+ standard
	   • G.992.5 (G.dmt.bis+, Annex M)

WAN (ADSL Line Interface)	• 1 x RJ-11 port (telephone)
LAN	• 4 x 10/100 Mbps Auto-MDIX RJ-45 ports (option to convert port 1 to WAN port)
Reset / WPS / WLAN On & Off Button	• Reset: Reset to factory defaults (Hold for 15 sec.) • WPS: Activates Wi-Fi Protected Setup (WPS) (Hold for 3 sec.) • WLAN On / Off: Enables or disables wireless radio (Hold for 10 sec.)
ATM & PPP Protocols / Modes	• VC and LLC multiplexing (Up to 8 PVCs) • Ethernet over ATM (RFC 1483 Bridged) with NAT • RFC 1483 bridged • IP over ATM (RFC 1483 Routed) • PPP over ATM (RFC2364) • PPP over Ethernet (RFC2516) • ATM Traffic QoS (UBR, CBR, VBR, GFR)
Firewall	• NAT, SPI, DMZ host, virtual servers, MAC / IP filters, URL / keyword filters, deny WAN ping requests, and WAN stealth mode
Schedules	• Define schedules for wireless, virtual server, packet filters, and QoS
Network Protocols/Features	• IGMP v1/2/3 proxy and snooping • Static and dynamic routing RIP v1/2 • UPnP • DHCP (Dynamic Host Configuration Protocol) server / relay • Dynamic DNS (DynDNS.com, No-IP.com, TZO.com, and dhs.org) • NTP (Network Time Protocol) • PPTP / L2TP / IPsec VPN pass through • IPv6: Static, DHCPv6, PPPoE, 6 to 4, and IPv6 in IPv4 Tunnel, Stateful / Stateless auto-configuration
Quality of Service	• Smart-QoS (simple) or manually defined QoS ToS / CoS (Type of service / Class of service) based on IP, TCP/UDP port, MAC, DSCP (Differentiated Services Code Point), and WMM
Management / Monitoring	• Local / remote configuration, upgrade firmware, backup / restore configuration via web browser, TR-069 remote management, DoS (Denial of Service) detection, internal system log, Syslog, email alert, SNMP v1/v2c, ping test tool, and Wake-on-LAN (WoL), NAT Status log, Client List log, Web log, Modem log
LED Indicators	• Status, ADSL, WLAN, LAN1~LAN4
Power Adapter	• Input: 100~240 V AC, 50~60 Hz, 0.2 A • Output: 5 V DC, 1.2 A external power adapter
Power Consumption	• 5 watts (max)
Dimension (L x W x H)	• 189 x 118 x 33 mm (7.4 x 4.6 x 1.3 in.)
Weight	• 221.1 g (7.8 oz)
Temperature	• Operation: 0° ~ 40°C (32°F ~ 104°F) • Storage: -10° ~ 70°C (14°F ~ 158°F)
Humidity	• Max 95% (non-condensing)
Certifications	• CE, FCC

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WIRELESS N150

SPECIFICATIONS

WIRELESS	
Frequency	• 2.4 ~2.483 GHz band
Modulation	• DBPSK / DQPSK / CCK / OFDM (BPSK / QPSK / 16-QAM / 64-QAM)
Modes	• Access Point Router • Access Point Only • WDS Hybrid • WDS Only • Universal Repeater
SSID	• Broadcast up to 2 SSIDs each with different wireless encryption with support for VLAN mapping
Antenna	• 1 x 2 dBi detachable dipole antenna (TEW-718BRM5: 1 x 5 dBi detachable dipole antenna)
Data Rate	• 802.11b: up to 11 Mbps • 802.11g: up to 54 Mbps • 802.11n: up to 150 Mbps
Security	• WEP (HEX/ASCII): 64/128-bit • WPA (AES/TKIP): WPA / WPA2-RADIUS, WPA-PSK / WPA2-PSK
Output Power	• 802.11b: 17 dBm (typical) • 802.11g: 14 dBm (typical) • 802.11n: 14 dBm (typical)
Receiving Sensitivity	• 802.11b: -91 dBm (typical) @ 11 Mbps • 802.11g: -91 dBm (typical) @ 54 Mbps • 802.11n: -87 dBm (typical) @ 150 Mbps
Channels	• 1~ 11 (FCC), 1~13 (ETSI)

NETWORKING SOLUTIONS

N150 Wireless ADSL 2/2+ Modem Router
TEW-718BRM

PACKAGE CONTENTS

TEW-718BRM

Multi-Language Quick Installation Guide

CD-ROM (User's Guide)

Power adapter (5 V DC, 1.2 A)

Detachable antenna

Network cable (1.5 m / 5 ft.)

RJ-11 telephone cable (1.8 m / 5.4 ft)

RELATED PRODUCTS

TEW-648UBM	N150 Micro Wireless USB Adapter
TEW-658BRM	N300 Wireless ADSL 2/2+ Modem Router
TEW-624UB	N300 Mini Wireless USB Adapter

CONTACT INFORMATION

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