



Thomson TG585 Wireless Multi-User ADSL2+ Gateway Specifications And Datasheet

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THOMSON

Thomson TG585 Wireless Multi-User ADSL2+ Gateway



Description

With the THOMSON TG585, users can experience wireless freedom at lightning-fast speeds. The THOMSON TG585 is an 802.11b/g wireless LAN access point with integrated ADSL. Featuring an integrated 10/100Mb/s 4-port switch, the THOMSON TG585 offers seamless connection of wired and wireless worlds from anywhere in the home.

The THOMSON TG585 lets you share files, printers, and a single broadband ADSL Internet connection with unmatched performance and security, whilst preserving the flexibility and features of a fully-fledged professional routing engine. The integrated modem supports ADSL, ADSL2, and ADSL2+. With a simultaneous operation of 802.11b and 802.11g, speed, security, and performance is guaranteed. When using 802.11g components, you can transfer data at up to 54Mb/s, and still connect to existing 802.11b products. The THOMSON TG585 also supports powerful wireless security mechanisms that allow users to communicate and access data with efficient link quality and the highest level of network security.

Installation

Easy Installation through Outstanding Home Install Wizard

THOMSON's Home Install Wizard makes setting up a home wireless network as easy as Ethernet, thereby drastically reducing helpdesk calls. This unique and robust mechanism configures your THOMSON's TG585 ADSL2+ access point and automatically installs your wireless network clients from a single CD.

The CD installation wizard performs comprehensive system checks before and during the installation process and validates all user inputs. This guarantees the end-user a secured wireless connection (using WEP or WPA) to the Internet. Installing a Home Network has never been so easy!

Beside the smooth and comprehensive installation for a secure wireless broadband connection, the installation wizard assists the end-user in plugging in all cables, and this is in multiple languages. Furthermore, the CD Home Install Wizard can come in any flavor upon customer request. Moreover, the THOMSON TG585 provides not only an HTML install wizard for setting up broadband and WiFi access but also automatically detects intercepts in traffic and connection loss.

Easy to Manage

The THOMSON TG585 is completely designed according to the TR-069 Data Model, through which the device

can be configured remotely. TR-037 and TR-069 enable auto-configuration of network bandwidth according to service needs, allowing seamless integration with the network's provisioning system.

Security

The THOMSON firewall guarantees users the ultimate level in network security. Through integration with Hyper-NAT, the firewall leverages all the ALGs provided in the Hyper-NAT context to minimize undesired service impact. The firewall provides stateful inspection of packets, and an integrated Denial of Service (DoS) engine monitors a wide range of attack patterns, and logs potential security breaches to a local cache or remote server. The THOMSON TG585 also supports powerful security mechanisms such as Wi-Fi Protected Access (WPA™), Wired Equivalent Privacy (WEP™) encryption, and a physical user registration button, which allow users to communicate and access data with efficient link quality and the highest level of network security.

Services

The THOMSON TG585 supports a number of features, which guarantee efficient and robust delivery of multimedia services from the core of the network right to the end-user.

- Diffserv IP QoS
- Smart DNS and DHCP support smooth introduction of media delivery nodes like Set Top Boxes, VoIP phones, etc.

Content of the Box

- Wireless ADSL Gateway
- Power Adapter
- Ethernet (RJ45) and telephone (RJ11) cable
- Setup CD and leaflet
- Jig, screws, and plugs for wall mounting
- Foot and inlay (optional)
- Filter(s) or splitter(s) (optional)



* UPnP TM is a certification mark of the UPnP TM Implementers Corporation

** Wi-Fi CERTIFIED™ is a registered certification mark of the Wi-Fi Alliance

Technical Specifications

Interfaces

- **LAN**
 - **Wireless:** Simultaneous operation of IEEE 802.11b and 802.11g

- 4 x Ethernet (RJ45) ports (10/100BaseT HD/FD)
- **WAN:** ADSL (RJ11) for ADSL/POTS and ADSL/ISDN
 - LED indicators for all interface ports
- **Housing:** Standing and wall-mountable design
- **Temperature:** 0-40°C (32-105°F)
- **Humidity:** 20% to 80%
- **AC Voltage:** 100-240VAC (switched mode power supply)

ADSL Modem Specifications

- **ADSL compliance:** ANSI T1.413 Issue 2, ITU-T G.992.1 Annex A, B (G.dmt), ITU-T G.992.2 Annex A, B (G.lite), ITU-T G.994.1 (G.hs)
 - **Maximum Rate:** 8 Mbps for downstream and 1 Mbps for upstream
- **ADSL2 compliance:** ITU-T G.992.3 Annex A, B, L, M (G.dmt.bis), ITU-T G.992.4 Annex A, B, L, M (G.lite.bis)
 - **Maximum Rate:** 12 Mbps for downstream and 1.5 Mbps for upstream
- **ADSL2+ compliance:** ITU-T G.992.5 Annex A, B, M
 - **Maximum Rate:** 24 Mbps for downstream and 3 Mbps upstream

Wireless Performance

- **Typical Indoor coverage:** 60m
- Dynamic rate switching
- Manual/auto selection of pure 802.11g/mixed mode (802.11b/g) network
- Performance optimization for ADSL traffic profile
- Wireless Distribution System (WDS)

Security

- ICSA-grade security service
- Embedded Firewall
- 802.1x/PSK WPA (WPA-PSK)
- 64/128bit WEP encryption
- Wireless client registration/access control (with physical push button)
- SSL, SSH

Services

- HTTP redirect for event notification
- **Quality of Service (QoS):** ATM, Ethernet, IP

Management

- Service Web GUI via HTTP and HTTPS
- (Wireless) Home Network Install Wizard

- Web-based Easy installation (OS independent)
- On-demand Remote Management
- TR-069 Remote Manageable
- Command Line Interface (CLI) via Telnet
- Event log
- **Software upgrade**
 - From a remote management station
 - Through Easy Software upgrade Wizard

Data Features

- **Bridging/Relay**
 - Ethernet / PPPoE
- **Relay**
 - PPPoX to PPTP relay
 - PPPoX to DHCP relay
- **Routing**
 - PPP over Ethernet (PPPoE)
 - PPP over ATM (PPPoA)
 - Classical IP (CIP)
 - Ethernet over ATM (ETHoA)
- Connection sharing with Hyper-NAT
- Stateful Firewall
- **UPnP* support:** enables game technologies (PS2, Xbox live, DirectPlay, etc.) and conferencing functions of Microsoft Messenger
- DHCP and DNS server, client, and relay
- NAT/PAT support

Supported Languages

- English, French, Spanish, Italian, German, Dutch, Portuguese, Swedish

Certifications

- CE, FCC, UL
- **Radio regulations:**
 - **US:** FCC part 15.247, 15.205, 15.209
 - **Europe:** ETS 300 328
- Wi-Fi CERTIFIED**

For More Information

- **Address:** Thomson | 46, quai Alphonse Le Gallo | 92100 Boulogne-Billancourt | France
- **Tel. :** 33 (0) 1 41 86 50 00

- **Fax:** 33 (0) 1 41 86 56 59
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FAQs

What is the Thomson TG585 Wireless Multi-User ADSL2+ Gateway?

The Thomson TG585 Wireless Multi-User ADSL2+ Gateway is a networking device that combines an ADSL2+ modem, a wireless router, and a firewall into a single unit. It's designed to provide internet access and local network connectivity for multiple users in a home or small office environment.

What wireless standards are supported by the Thomson TG585 router?

The Thomson TG585 typically supports the 802.11b and 802.11g wireless standards, providing wireless connectivity at up to 54 Mbps.

Can I connect wired devices to this gateway?

Yes, the Thomson TG585 gateway is equipped with Ethernet ports, allowing you to connect wired devices such as computers, printers, and gaming consoles to the network.

What is the maximum wireless range of this router?

The wireless range can vary based on factors like environmental conditions, but the router is typically designed to cover an average-sized home or small office.

Does this gateway support WPA2 encryption for security?

Yes, the Thomson TG585 typically supports WPA2 encryption, which provides a high level of security for your wireless network.

Is it possible to set up a guest network with this gateway?

Some models of the Thomson TG585 may allow you to set up a guest network, providing internet access to visitors while keeping your main network secure.

Can I use the Thomson TG585 as a wireless access point (WAP)?

Yes, you can typically configure the gateway to function as a wireless access point to extend your existing wireless network's coverage.

Is it compatible with both Mac and Windows computers?

The Thomson TG585 is typically compatible with both Mac and Windows operating systems, making it versatile for different users.

How do I access the gateway's admin interface for configuration?

You can access the gateway's admin interface by opening a web browser and entering the gateway's IP address in the address bar. The default IP address is often 192.168.1.254, and you'll need to log in using the admin credentials.

Can I update the gateway's firmware for security and performance improvements?

Yes, you can typically update the gateway's firmware by accessing the admin interface and following the firmware update instructions provided by Thomson or the manufacturer.

What is the default username and password for the gateway's admin interface?

The default username and password for the gateway's admin interface are typically 'Administrator' or 'admin' for the username and 'blank' or 'admin' for the password. It's important to change these defaults for security reasons.

Can I use the Thomson TG585 as a DSL modem for my existing router?

The Thomson TG585 is an integrated gateway, so it combines the functions of a DSL modem, router, and firewall. If you already have a separate router, you may not need to use the TG585 as a DSL modem.

References: [Thomson TG585 Wireless Multi-User ADSL2+ Gateway – Device.report](#)