

THOMSON TG585n Wireless-n Multi-User ADSL2+ Gateway



TELECOM

CABLE

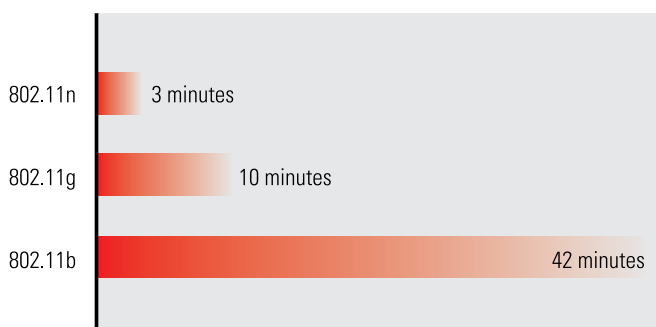
SATELLITE

TERRESTRIAL

Data Voice Video

Faster, farther

Home networking experience will definitely change with the THOMSON TG585n. Up to twice the range and 3 times faster than 802.11g, the THOMSON TG585n enables real time multimedia content streaming over WiFi network every where in the house.



Faster transfer rate and time.

The THOMSON TG585n is an 802.11b/g/n draft 2.0* wireless LAN access point with integrated ADSL. Featuring an integrated 10/100Mb/s 4-port switch, the THOMSON TG585n offers seamless connection of wired and wireless devices from anywhere in the home.

* Draft 2.0 refers to the version of the not-yet ratified IEEE802.11n standard used in Wi-Fi Alliance testing as of June 2007.

The THOMSON TG585n 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, 802.11g and 802.11n draft 2.0, speed, security and performance is guaranteed. When using 802.11n components, you can transfer data at up to 150Mb/s (three times the speed of older 802.11g wireless networks), and still connect to existing 802.11b/g products.

The THOMSON TG585n also supports powerful wireless security mechanisms which allow users to communicate and access data with efficient link quality and the highest level of network security.

Security

The THOMSON TG585n 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.

THOMSON TG585n

Wireless-n Multi-User ADSL2+ Gateway

TELECOM

CABLE

SATELLITE

TERRESTRIAL

The THOMSON embedded 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 home network, you can even manage everything directly from the gateway. Or arrange all your pictures via the gateway in special web galleries, so you can free the 'much-desired' disk space on your PC. For P2P file sharing, the gateway can take over the job from the PC and stream all files to your connected multimedia devices.

Easy Installation through Outstanding Home Install Wizard

THOMSON's Wireless 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 TG585n ADSL2+ access point and automatically installs your wireless network clients from a single CD.

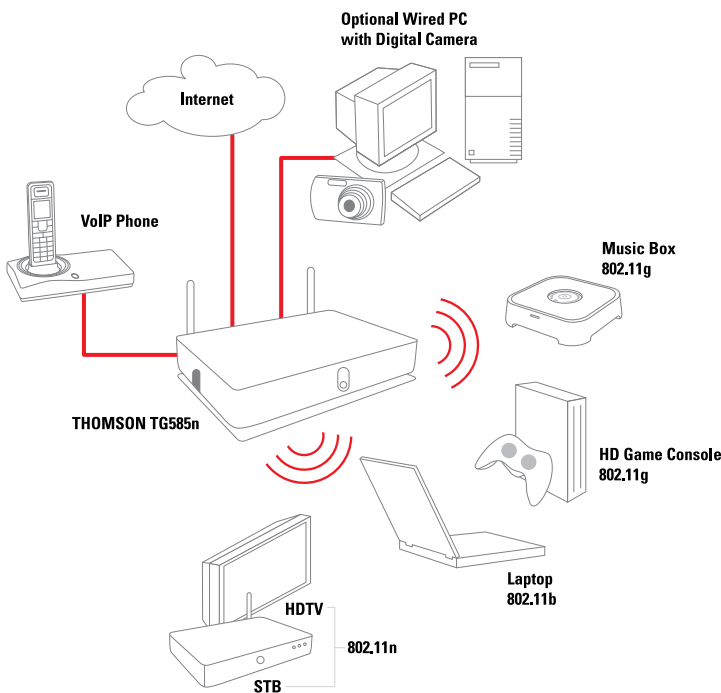
The CD installation wizard performs comprehensive system checks before and during the installation process, and validates all user inputs. This guarantees the end-user a secured wireless connection (using WEP or WPA) to the Internet. Installing a Home Network has never been so easy!

Beside the smooth and comprehensive installation for a secure wireless broadband connection, the CD installation wizard assists the end-user in plugging in all cables and this in multiple languages. Furthermore, the CD Home Installation Wizard can come in any flavor upon customer request. Moreover, the THOMSON TG585n 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 TG585n 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.



Services

Free your PC from all the secondary tasks it is now bound to do and let the THOMSON TG585n do them instead. As illustrated in the picture above, our gateway supports a wide variety of advanced services.

You want to see what's going on in the house? Simply connect a webcam to the gateway and you will be able to consult it via a webpage from any pc or mobile, even remotely.

The gateway can also function as a media center; not only can you share music and video files with media devices over

Technical Specifications

Hardware Specifications

- Interfaces
 - LAN
 - Wireless standards: IEEE 802.11b, 802.11g and 802.11n draft 2.0
 - 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 (optional foot)
- Temperature: 0-40 C (32-105F)
- Humidity: 20% to 80%
- AC Voltage: 100-120VAC/220-240VAC, 50-60Hz

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

- Operating Frequency: 2.4GHz
- Typical Indoor coverage: 120m
- Dynamic rate switching
- Manual/auto selection WiFi mode (802.11g only, mixed, 802.11b/g only)
- Performance optimisation 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
- SNMP, Eventlog
- SW upgrade
 - From remote management station
 - Through Easy SW 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, ...) 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**

Content of the Box

- Wireless-n 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™ is a certification mark of the UPnP™ Implementers Corporation

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

For more information

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 | www.thomson-broadband.com