

THOMSON

THOMSON ST585(i)v6 - Wireless Multi-User ADSL2+ Gateway



TELECOM

CABLE

SATELLITE

TERRESTRIAL

Data Voice Video

With the THOMSON ST585(i), users can experience wireless freedom at lightning-fast speeds. The THOMSON ST585(i) is an 802.11b/g wireless LAN access point with integrated ADSL. Featuring an integrated 10/100Mb/s 4-port switch, the THOMSON ST585(i) offers seamless connection of wired and wireless worlds from anywhere in the home.

The THOMSON ST585(i) 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 (five times the speed of older 802.11b wireless networks), and still connect to existing 802.11b products. The THOMSON ST585(i) 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.

Easy to Install

The THOMSON 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 and secures your ADSL access point and wireless network clients from a single CD. The wizard performs comprehensive system checks before and during the installation process, and validates all user inputs, in order to guarantee the end-user a secured wireless connection (using WEP or WPA) to the Internet.

Secure

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.

UPnP



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Filtering of unwanted content on the Internet also got integrated in the THOMSON ST585(i). Three levels of content filtering are available:

- Basic Content Filtering provides white list/blacklist based url filtering, which can be maintained locally or remotely.
- Standard Content Filtering provides subscription based URL blocking using a network located URL database for URL classification.
- Advanced Content Filtering is a subscription-based service that additionally provides a dynamic mechanism for classifying and blocking content.

The classification database is an on-line store of characterized URLs, which is continuously updated. The gateway queries the database for each http request and decides on serving the page based on the policy assigned to the requestor.

Services

The THOMSON ST585(i) 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.

- TR-37 enables auto-configuration of network bandwidth according to service needs, allowing seamless integration with the network's provisioning system.
- Diffserv IPQoS
- WiFi QoS such as WME guarantee local delivery of streamed media to the service delivery nodes
- Smart DNS and DHCP supports smooth introduction of media delivery nodes like Set Top Boxes, VoIP phones, etc.

FLEXIBundle

The FLEXIBundle architecture enables service providers to define, manage and evolve the characteristics of the service offered by the gateway to the end user. This allows a THOMSON ST585(i) to adopt the specific features of a differentiated service offering. The basis for this architecture is an extensive multi-role, multi-user management framework that allows each individual component of the Gateway to be (de-)activated independently and remotely.

Hyper-NAT with IP Pass-Through

Hyper-NAT delivers absolute flexibility in managing any type of Network Address and/or Port translation, enabling seamless operation of servers on the local network. An extensive list of Application Level Gateways complete this powerful architecture to simultaneously enable services like:

- any-to-many IPsec,
- L2TP and PPTP pass-through
- IP pass-through
- SIP, H.323, H.450, ...
- FTP, RTSP, IPv6inIPv4, Jabber, Netmeeting, Microsoft Messenger ...

Technical Specifications

Hardware 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
 - Stand up- lie down design
- Temperature
 - 0-40 C (32-105F)
- Humidity
 - 20% to 80%
- AC Voltage
 - 100-120VAC/220-240VAC, 50-60Hz

ADSL Modem Specifications

- ADSL: ANSI, ETSI, Annex A, B
- ADSL2: Annex A, B, L
- ADSL2+: Annex A, B
- Support of Annex M via customised build

Wireless Performance

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

Security

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

Services

- Multi User High Speed Internet Access
- FLEXIBundle
 - Micro-modular activation and management of Gateway Functionality
- Content Filtering
 - Basic : URL white list/blacklist
 - Standard : Subscription based URL blocking using a network located URL database for URL classification.
 - Advanced : Standard Content Filtering augmented with a more granular manageability.

Management

- FLEXIBundle multi level - multi role management
- Intuitive GUI via HTTP and HTTPS
- Home Network Install Wizard support

- Web based Easy installation (OS independent)
- Intuitive web interface
- Command line interface (CLI) via telnet
- SNMP, Eventlog
- SW upgrade
 - From remote management station (dual FLASH banks)
 - Via web GUI
 - 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

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** by WECA

Content of the Box

- Wireless ADSL Gateway
- CD
- Ethernet cable (RJ45)
- Telephone cable(RJ11)
- Cable filters (optional)
- Power Adaptor (15VAC)
- Safety leaflet
- Wall mounting screws and plugs
- Stand for vertical use (optional)



Related products

- 802.11g:
 - SpeedTouch 122g: Wireless USB Client

* 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

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