

# THOMSON

## THOMSON TG797 Wireless VoIP Residential Gateway with DECT Handset



Data Voice Video

TELECOM

SATELLITE

CABLE

TERRESTRIAL

### | Most Innovative on the Market

With a complete set of voice features, the THOMSON TG797 is one of the most innovative VoIP gateways currently on the market. Two USB 2.0 masters make it possible to connect a printer or hard disk without any problems. DECT telephony is integrated for deploying the newest DECT services. Moreover, the THOMSON TG797 is 802.11n-ready by means of a mini-PCI extension.

### | Easy to Install, Easy to Use

The THOMSON TG797 distinguishes itself through ease of installation with the self install wizard, and delivers an outstanding quality of speed and voice, supporting all triple play scenarios. The Home Install Wizard performs comprehensive system checks before and during the installation and setup process, and validates all user inputs to guarantee the end user a secured wireless connection to the Internet.

### | Easily Manageable

The THOMSON TG797 is completely designed according to the TR-069 Data Model, through which the device can be configured remotely. In addition, TR-104 for VoIP is implemented for the configuration and management of all voice services.

TR-037 and TR-62 enable auto-configuration of network bandwidth according to service needs, allowing seamless integration with the network's provisioning system.

### | One Device, Many Services

Offering a variety of service support through an extensive feature set, the THOMSON TG797 contains next to many different interfaces, also a future proof memory and a separate CPU for the most advanced services.

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## Voice over IP

The THOMSON TG797 offers a phone connector to accommodate a phone or fax. Once the gateway is registered with a VoIP service, regular phone calls can be conducted over the Internet with all the benefits of IP Telephony. The gateway offers a wide range of services like caller ID, CLIR, call waiting, call forwarding, 3-way conference and message waiting notification.

## Advanced in Security

The integrated firewall guarantees users ultimate network security. The firewall minimizes undesired service impact and provides stateful inspection of packets. 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 TG797 also supports powerful wireless security mechanisms, such as Wi-Fi Protected Access (WPA™), Wired Equivalent Privacy (WEP™) encryption, and a physical registration button. This allows users to communicate and access data with efficient link quality and the highest level of network security. Unwanted content filtering on the Internet is also integrated.

## Features in a Glance

- Wireless networking on board: 802.11b/g
- ADSL2+ with integrated modem
- FXO analogue port
- 1 FXS port for phone or fax
- 4 Ethernet ports to connect to PCs, settop box, LAN
- Integrated DECT Multiline
- 2 USB masters 2.0 for Hard Disk, printer...
- Home entertainment ready
- Media Sharing
- UPnP A/V
- Remotely Manageable - TR-069, TR-104, TR-098, TR-111
- Built-in firewall
- Optional integrated filter

# Technical Specifications

## Hardware Specifications

### Interfaces

#### WAN

- RJ11 DSL line port
- Optional ISDN (Annex B)
- Full FXO

#### LAN

- 4-port autosensing 10/100Base-T auto-MDI/MDI-X Ethernet switch
- 1 FXS POTS interface
- 2 USB 2.0 masters
- Wi-Fi IEEE 802.11b/g on board

#### Possible HW extension

- Integrated filter
- Mini-PCI 11n TELCO (802.11b/g/n)

### Housing

- Dimensions: 37 x 181 x 257 mm (1.5 x 7.1 x 10.2 in.)
- AC voltage: 100-240 VAC (switched mode power supply)
- Temperature: 0° - 40° C (32 - 104 F)
- Humidity: 20% to 80%

## DSL Modem Specifications

- Supports Multi Mode Standard
- 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

## Management

- User Friendly GUI via HTTP and HTTPS
- (Wireless) Home Network Install Wizard
- Web based Easy installation (OS independent)
- On demand Remote Management
- TR-69 Remote Manageable
- TR-104 Voice Provisioning
- TR-98 Queue Management
- TR-111 Home Network Device Management
- TR-62 ATM ILMI PVC auto-configuration

## Services

- Printer sharing
- Content sharing (UPnP A/V + SMB)
- Webcam control and display
- Secure Remote File Access
- PC-less Peer-2-Peer
- Personal Web Gallery (Photo blog)
- Shared HD with Access Rights
- Gateway Secured Storage
- Central PVR

## Wireless Performance and Security

- Wi-Fi® CERTIFIED® 802.11b/g access point
  - data rates up to 54Mb/s
- Wi-Fi Multimedia - WMM™ (802.11i)
- Supports 802.1x/ PSK WPA™
- WPA™-Personal / WPA2™-Personal (802.11i)
- Supports wireless repeater function to extend the coverage area
- Dynamic rate switching for optimal wireless data rates up to 54 Mb/s
- Manual/auto radio channel selection
- Manual/auto selection of pure 802.11g/mixed mode (802.11b/g) network
- Wireless Distribution System (WDS)
- 64/128bit WEP encryption
- Wireless client MAC or hardware address-based access control (with physical registration button)

## Firewall Security

- Firewall with Stateful Packet Inspection
- Protection of Denial of Service (DoS) such as SYN Flood, Ping of Death, Fraggle, LAND, Teardrop, etc.
- Content filtering: URL blocking
- IP and generic packet filtering, based on IP address/port number/protocol type
- Real-time attack alert and logging

## Enabling Technologies

- Qos: ATM, Ethernet, Wi-Fi, IP
- FLEXIBundle
- Hyper-Nat
- «SIM-lock»
- Virtual bridges - portmapping
- Flexiport (IPTV Bridged Mode)
- Smart DHCP, DNS
- IGMPv3 proxy (Fastleave)
- IGMP snooping (Full routed)
- VLAN bridging - tagging

# Technical Specifications

## Voice over IP Features

### Voice Functionality

- Signalling: SIP, MGCP, H.323(O)
- Codecs: G.711, G.723, G.726, G.729, Wideband (G.722), T.38
- Flexible Telephone number per FXS and DECT Handsets, including Common Numbers
- Interop with main market softswitches

### FXO

- Dial map for PSTN/VoIP outgoing calls
- Prefix for PSTN/VoIP switch
- Lifeline backup: manual and automatic PSTN / VoIP
- Incoming call detection on PSTN

### Supplementary and Advanced Services

- Call waiting (on call basis)
- Caller Identification
- Call forwarding (No answer/Busy/Unconditional)
- Call transferring
- CLIP (Calling Line Identification Presentation)
- CLIR (Calling Line Identification Restriction)
- Fax transparency
- 3-way conference
- MWI (Message Waiting Indicator)
- Missed call e-mail
- Click to dial
- Warm line
- Call Completion to Busy Subscriber
- Forced FXO
- Abbreviated number
- Common DECT number
- Common number in/outgoing Call

## Content of the Box

- Wireless VoIP Residential Gateway
- ADSL cable (RJ11)
- Ethernet cable (RJ45)
- Power supply unit
- Setup CD and leaflet
- Filter or splitter (optional)
- Foot and inlay (optional)
- **Handset TH58-HD is sold separately**

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

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