

THOMSON

THOMSON TG185n

Ethernet to Wi-Fi Converter
Wireless N Repeater



TELECOM

CABLE

SATELLITE

TERRESTRIAL

Data Voice Video

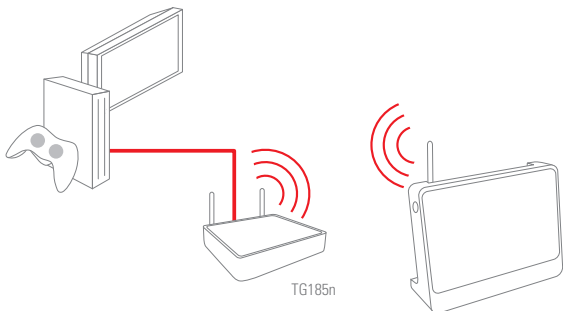
The 3-in-1 Wi-Fi Adapter

| The Home Network Goes Wireless N

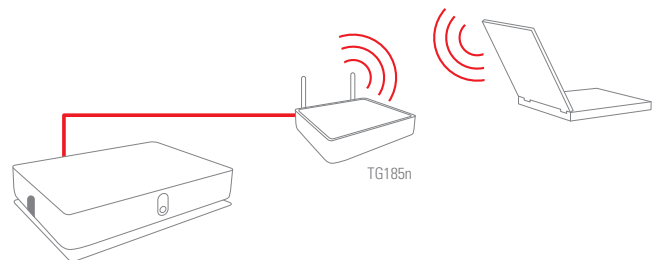
With the THOMSON TG185n you can turn any network device with an Ethernet connector into Wi-Fi 802.11n draft 2.0*.

The THOMSON TG185n is a wireless-n device that combines access point mode, client mode and repeater mode into 1 product:

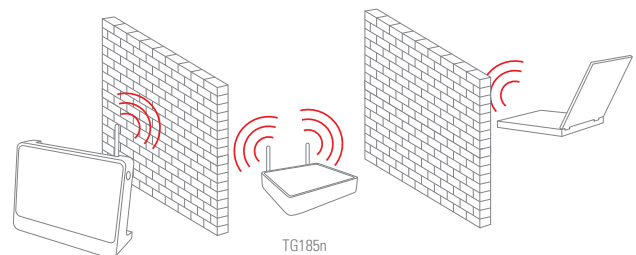
- Client mode to connect to any Ethernet device, such as set top boxes, gaming stations...



- Access Point mode to enable 802.11n draft 2.0 on a gateway which does not include this technology.



- Repeater mode to extend your 802.11n draft 2.0 coverage.



* 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.



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| WMM (Wi-Fi MultiMedia)

With full support of the Wi-Fi MultiMedia* (WMM) quality of service mechanism, you'll experience its real-time applications, such as video, voice, and gaming just by plug and play.

Since there is the possibility to use either the 2.4 or 5 GHz band, you have full support even for multiple HD streams.

| WPS (Wi-Fi Protected Setup)

With WPS, your Wi-Fi network is set up automatically with a high level of encryption by just pushing a button.

Enjoy a full plug and play solution with a set of 2 THOMSON TG185n devices to connect a set top box and DSL gateway and stream HD content.

| Features at-a-Glance

- High speed for wireless LAN connection, up to 300 Mb/s data rate
- Backwards compatible to the existing 802.11b/g WLAN infrastructure
- User-friendly Web GUI to configure SSID, security setup and site survey
- Wireless data encryption with 64, 128 encryption for security
- Wi-Fi MultiMedia QoS
- WPA Personal
- 2 Integrated high-performance antennas
- Plug and play
- Dual band (2.4 or 5 GHz)

* Wi-Fi CERTIFIED™ is a registered certification mark and WPA™, WPA2™, WPA™-Personal, WPA2™-Personal, WPS™ and WMM™ are trademarks of the Wi-Fi Alliance.

Technical Specifications

Hardware Specifications

- 1 Ethernet 10/100 BaseT interface

Software Specifications

- Security:
 - Wired Equivalence Privacy (WEP*) supports 64 and 128 bit encryption
 - Support for WPA, WPA2, WPA-PSK, WPA2-PSK*
- Hardware switch to select working mode
- Configuration Utility:
 - Web GUI to set SSID, WEP/WPA key
 - Supports worldwide country channel specification
 - Supports WPS: PIN and PCB (Push Button) method

Wireless Specifications

- Radio technology:
 - IEEE 802.11n draft 2.0 Multiple Input Multiple Output (MIMO)
 - IEEE 802.11g Orthogonal Frequency Division Multiplexing (OFDM)
 - IEEE 802.11b Direct Sequence Spread Spectrum (DSSS)
 - IEEE 802.11a Orthogonal Frequency Division Multiplexing (OFDM)
- Modulation schemes:
 - OFDM, CCK, DBPSK, DQPSK, 16 - QAM, 64 - QAM
- Security:
 - Hardware 64/128-bit WEP, WPA
- Transmission and Receiving rates:
 - for 802.11n draft 2.0 (Nss=1, 800ns GI for 20MHz, 400ns GI for 40MHz): 300, 270, 240, 180, 150, 135, 130, 120, 117, 104, 90, 78, 65, 60, 58.5, 52, 45, 39, 30, 26, 19.5, 15, 13, 6.5 Mbps
 - 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps (autosensing)
 - 802.11g (using USB 1.1 or 1.0): 6 Mbps
 - 802.11b: 11, 5.5, 2, 1 Mbps (autosensing)
- Transmission power:
 - IEEE 802.11n draft 2.0: Minimum 12 dBm typically
 - IEEE 802.11g: Minimum 12 dBm typically
 - IEEE 802.11b: Minimum 15 dBm typically
- Wireless LAN Frequency Range:
 - 2.4 GHz
 - 5 GHz
- Channels:
 - 2.4 GHz
 - Europe: channels 1 - 13
 - USA: channels 1 - 11
 - Japan: channels 1 - 14
 - 5 GHz (channels 36 - 48, 52 - 64, 100 - 136, 140, 149 - 161, 165)

- Range coverage (depends on environment):
 - Indoor: 50 - 200 meters (line of sight)
30 - 50 meters (non-line of sight)
 - Outdoor: 100 - 300 meters
- Roaming:
 - Full mobility and seamless roaming from cell to cell

General

- Temperature:
 - Operating: 0 - 40° C
 - Storage: -10 - 70° C
- Humidity:
 - 10 to 80% RH and non-condensing
- Dimensions (including antennas):
 - 144 x 130 x 75 mm
 - 5.67 x 5.12 x 2.95 in.
- Certifications:
 - ETS 300 328 for Europe
 - FCC Part 15.247 for US
 - Australia
 - WHQL certified

Content of the Box

- TG185n
- Power supply
- Quick Install Guide
- Safety leaflet



For more information

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