

# THOMSON

## THOMSON TG123g Wireless 802.11g USB Adapter



TELECOM

CABLE

SATELLITE

TERRESTRIAL

Data / Voice / Video

## Go Wireless.

Enable your wireless networks with the THOMSON TG123g USB adapter and you will attain data transmission speeds of up to 54 Mb/s between all your shared devices.

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.

In the meantime, you are backwards compatible with the existing installed base of millions of Wi-Fi systems worldwide. The THOMSON TG123g supports operation with both IEEE 802.11b and 802.11g, and is Wi-Fi CERTIFIED\*, including WPA and WMM.

The GUI set-up wizard makes the THOMSON TG123g very easy to configure.

### Features at-a-glance

- Mobile networking for notebook and desktop PCs
- USB memory stick design
- High speed for wireless LAN connection, up to 54Mb/s data rate
- Backward compatible to the existing 802.11b WLAN infrastructure
- User-friendly utility to configure SSID, security setup and site survey
- Wireless data encryption with 64, 128 encryption for security
- Wi-Fi\* MultiMedia QoS
- WPA Personal
- Integrated printed antenna
- Supports USB v2
- Plug and play
- Docking ball accessory (optional)

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



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images & beyond

# Technical Specifications

## Hardware Specifications

- USB 2.0 Interface: 802.11 54g chipset-on-board design, compliant with USB 1.1 and 1.0 specifications

## Software Specifications

- Supported Operating Systems:
  - Windows 2000, XP and VISTA
- Security:
  - Wired Equivalence Privacy (WEP\*) supports 64 and 128 bit encryption
  - Support for WPA, WPA2, WPA-PSK, WPA2-PSK\*
- Configuration Utility:
  - A utility to set SSID, WEP/WPA key and dynamically view configuration and receive signal quality
  - Supports worldwide country channel specification

## Wireless Specifications

- Radio technology:
  - IEEE 802.11b Direct Sequence Spread Spectrum (DSSS)
  - IEEE 802.11g Orthogonal Frequency Division Multiplexing (OFDM)
- Modulation schemes:
  - OFDM, CCK, DBPSK, DQPSK
- Security:
  - Hardware 64/128-bit WEP, WPA
- Transmission rates:
  - 54, 48, 36, 24, 18, 12, 9, 6 Mbps (autosensing) for 802.11g
  - 11, 5.5, 2, 1 Mbps (autosensing) for 802.11b
  - 6 Mbps for 802.11g using USB 1.1 or 1.0
- Transmission power:
  - IEEE 802.11g: Minimum 12 dBm typically
  - IEEE 802.11b: Minimum 15 dBm typically
- Wireless LAN Frequency Range:
  - 2412 - 2418 MHz ISM band (channels 1 - 14)
- Channels:
  - Europe: 1 - 13
  - USA: 1 - 11
  - Japan: 1 - 14

- Range coverage (depends on environment):
  - Indoor: 35 - 100 meters
  - Outdoor: 100 - 300 meters
- Roaming:
  - Full mobility and seamless roaming from cell to cell

## General

- Media Access Control:
  - CSMA/CA with ACK
- Continuous current consumption:
  - 280mA typ. for receive mode
  - 380mA typ. for transmit mode
- Temperature:
  - Operating: 0 - 40° C
  - Storage: -10 - 70° C
- Humidity:
  - 10 to 95% RH and non-condensing
- Dimensions:
  - 77 x 26 x 12 mm
  - 3 x 1 x 0.47 inch
- Certifications:
  - ETS 300 328 for Europe
  - FCC Part 15.247 for US

## Content of the Box

- Wireless adapter
- CD-ROM
- Safety leaflet
- Optional: USB docking ball

For more information

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