

# MediaAccess TG582n

Wireless n Multi-User ADSL2+ Gateway



## TELECOM

DATA

VIDEO

## Faster, Farther

Home networking experience will definitely change with the Technicolor TG582n. With an improved coverage and throughput compared to any 11b/g or 1x1 11n access point (from 54 to 65 Mbps), the Technicolor TG582n doubles the bandwidth and improves the link stability, coverage and coexistence with other access points in the neighbourhood.

## High-Performance Router

The Technicolor TG582n is a high-performance router: with a simultaneous operation of 802.11b/g and 802.11n (2x2), speed and stability are guaranteed.

Featuring an integrated 10/100Mbps four-port switch, the Technicolor TG582n offers seamless connection of wired and wireless devices from anywhere in the home.

The integrated modem supports ADSL, ADSL2, and ADSL2+.

## Features at a Glance

- Integrated ADSL2+ modem
- 4 FE LAN ports to connect multiple devices, such as PCs, laptops and set top boxes
- Wireless networking on-board: 802.11n 2x2 (2.4 GHz)
- Wi-Fi Protected Setup (WPS™)
- 1 USB 2.0 master for 3G support
- Remotely manageable: TR-069, TR-064, TR-098, TR-111
- Built-in firewall
- IPv6 ready



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## Highest Security

The Technicolor TG582n supports powerful wireless security mechanisms, such as Wi-Fi Protected Access (WPA2). This allows users to communicate and access data with efficient link quality and the highest level of network security.

The Technicolor embedded firewall guarantees users the ultimate network security level. Through integration with NAT, the firewall leverages all the Application Level Gateways (ALGs) provided in the NAT context to minimize undesired service impact.

The support of multiple SSIDs in the gateway enables support for up to four independent wireless access networks. These additional wireless networks allow other wireless users to enjoy the high-performance access without compromising the integrity of the basic network, thus keeping the original network access limited and secure.

## WPS

With Wi-Fi Protected Setup (WPS) users can easily connect with the TG582n wireless network by simply pushing a button or entering a PIN code.

It allows home users to easily connect to a secure network without any complex configuration and eliminates the need to remember or store their security information in an unsafe way.

## Easy Management

The Technicolor TG582n is designed according to the TR-069 data model, through which the device can be configured remotely.

Like all Technicolor gateways, the Technicolor TG582n interoperates seamlessly with the Technicolor Gateway Setup wizard, making the setup of a wireless home network as easy as clicking a button. No more helpdesk calls, just click and you are ready to go. The Technicolor Gateway Setup wizard performs comprehensive system checks before and during the installation and setup process, and validates all user input to guarantee the end user a secured wireless connection to the Internet.

## IPv6 Ready

With the approaching IPv4 address pool depletion, our products need to be ready for IPv6. Internet Protocol version 6 is the next generation of Internet technologies aiming to effectively support the ever-expanding Internet usage and functionality, and also to address security concerns that exist in an IPv4 environment.

In this context, the TG582n has successfully passed the Gold standard IPv6 Ready accreditation.

Technicolor aims to introduce IPv6 as smoothly as possible in customer networks. By providing in-depth knowledge of the networking stack, we guide our customers in their transition from IPv4 to IPv6.

## ECO

Technicolor offers its customers environmentally friendly products. In addition to carefully selected plastics and packaging to minimize the ecological footprint, the TG582n benefits from a unique combination of hardware and software features that reduce power consumption substantially. For instance, a button allows the user to disable/enable the wireless access point when its function is not required.

## Professional Services

Technicolor offers a wide array of services:

- Hardware: Optimize warranty and hardware operations such as repair, logistics, dedicated inventories, recycling, refurbishing, ...
- Support & Maintenance contracts providing a technical support line, software support, updates, upgrades, on-site support and training. Dedicated response time can be tailored to fit your organization with BRONZE, SILVER and GOLD agreements.
- Develop specific software functions, features and GUIs to create and deploy innovative subscriber services in your market.
- Technicolor proposes Integration Services on technologies, products and third-party software to accelerate your project whilst optimizing your time to market. We can also provide resources for project management, engineering and planning, and assist your team with device interoperability tests, proof of concept (POC) and trials.
- Missions to optimize your Total Cost of Ownership (TCO) by analyzing your hotline calls and proposing relevant actions to reduce your OPEX budgets.
- Leveraging its many years of expertise in creating gateway and set-top box products - with over 200 million devices delivered to diverse markets all around the world - Technicolor has built an experienced and dedicated design team able to propose a great variety of new, innovative design services, ranging from unique product aesthetics to product content.

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## Technical Specifications

### Hardware Specifications

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- Interfaces WAN RJ-11 DSL line port for ADSL/POTS or ADSL/ISDN
- Interfaces LAN 4-port autosensing 10/100Base-T auto-MDI/MDI-X Ethernet LAN switch  
Wi-Fi IEEE 802.11b/g/n 2x2 on-board
- Extras 1 USB 2.0 certified host/master  
WPS / WLAN button  
Reset button
- Dimensions 160 x 126 x 25 mm (6.3 x 4.9 x 1 in.)
- Temperature 0°-40° C (32°-105° F)
- Humidity 20% to 80%
- AC Voltage 100-240VAC (switched mode power supply)

### DSL Modem Specifications

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- Supports multi mode standards
- 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  
Maximum rate: 24 Mbps for downstream  
and 2.5 Mbps for upstream
- Supports Dying Gasp (standard)

### Management

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- User-friendly GUI via HTTP and HTTPS
- GUI-embedded Easy Setup wizard
- On-demand remote GUI assistance (helpdesk)
- Web-browsing Intercept (install / diagnostics)
- Wireless Technicolor Gateway Setup wizard
- TR-069 CPE WAN Management Protocol
  - TR-098 Internet Gateway Device Management
  - TR-111 home network device management
  - TR-064 LAN side configuration
- Zero-touch autoprovisioning

### Services

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- Printer sharing
- Content sharing
- Remote HDD file access
- USB 3G adapter support
- Dynamic DNS
- URL- and content-based website filtering (optional)

### Wireless Performance and Security

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- Wi-Fi IEEE 802.11b/g/n access point
- Wi-Fi CERTIFIED®
- WPA™-Personal / WPA2™-Personal, WEP™
- Wi-Fi Multimedia (WMM®)
- Wi-Fi Protected Setup (WPS™)
- Up to 4 virtual SSID APs support
- Security and service segregation per SSID
- Dynamic rates switching for optimal wireless rates
- Manual/auto radio channel support

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## Technical Specifications

### Firewall Security

- Stateful Packet Inspection Firewall (SPIF)
- Customizable firewall security levels
- Intrusion detection and prevention (DoS, SYN Flood, Ping of Death, Fraggle, LAND, Teardrop...)
- Demilitarized Zone (DMZ)

### Enabling Technologies

- Quality of Service: ATM, Ethernet, Wi-Fi, IP
- FLEXIBundle: multirole user authorization
- Hyper-Nat: Symmetrical NAT with application helpers
- Game and application sharing NAT port maps
- "SIM-lock" provider locking
- DHCP conditional serving & relay, DNS server & relay
- IGMPv3 proxy (FastLeave)
- IGMP snooping (full routed)
- Flexiport (any Ethernet port bridged IPTV)
- IEEE 802.1q VLAN bridging, multiple bridge instances
- UPnP™ support: enables game technologies (PS3, Xbox Live, DirectPlay, ...) and conferencing functions of Microsoft Messenger
- IPv6 ready

### Content of the Box

- Wireless n Multi-User ADSL2+ Gateway
- Power adapter
- Ethernet (RJ-45) and telephone (RJ-11) cable
- Setup CD and leaflet
- Jig, screws and plugs for wall mounting
- Foot and inlay (optional)
- Filter(s) or splitter(s) (optional)



Technicolor TG582n back panel

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