

TG782

Wireless VoIP Gateway



On January 27th 2010, Thomson changed its company name to Technicolor. All product data sheets, including those for products which still carry the Thomson name, now reflect our new Technicolor brand.

TELECOM

DATA

VOICE

VIDEO

Best in Class in Digital and Voice Communication

The Technicolor TG782 is a Voice over IP Gateway allowing ADSL2+ connectivity while providing Voice over IP functions for residential users. It is also backwards compatible with ADSL offering autonegotiation capability. For local networking, the Technicolor TG782 offers next to 4 Ethernet ports, an 802.11b/g wireless LAN interface.

Home Networking with Easy Installation

Like all Technicolor gateways, the Technicolor TG782 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 inputs to guarantee the end user a secured wireless connection to the Internet.

Features at a Glance

- Integrated ADSL2+ modem
- 4 Fast Ethernet ports to connect multiple devices, such as PCs, laptops, set top boxes...
- Wireless networking on-board: 802.11b/g
- 1 FXO analogue port
- 2 FXS ports for phone or fax
- UPnP A/V
- 1 USB master 2.0
- Remotely manageable - TR-069, TR-104, TR-098, TR-111
- Built-in firewall
- Integrated filter (optional)



TG782

Wireless VoIP Gateway

Voice over IP

The Technicolor TG782 offers two phone connectors to accommodate a phone and/or fax. Once the gateway is registered with a Voice over IP (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.

Easily Manageable

The Technicolor TG782 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-069 enable auto-configuration of network bandwidth according to service needs, allowing seamless integration with the network's provisioning system.

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. Unwanted content filtering on the Internet is also integrated.

The Technicolor TG782 also supports powerful wireless security mechanisms, such as Wi-Fi Protected Access (WPA) and a Wi-Fi Protected Setup (WPS) button. This allows users to communicate and access data with efficient link quality and the highest level of network security.

Technical Specifications

Hardware Specifications

- Interfaces WAN RJ11 DSL line port
Optional ISDN (Annex B)
1 full FXO port
- Interfaces LAN 4-port autosensing 10/100Base-T auto-MDI/
MDI-X Ethernet switch
Wi-Fi IEEE 802.11b/g on board
2 FXS POTS ports
- Extras WPS button
Reset button
- Dimensions 41 x 167 x 223 mm (1.6 x 6.6 x 8.8 in.)
(h x d x w)
- 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 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 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+ ITU-T G.992.5 Annex A, B
Maximum Rate: 24 Mbps for downstream and
3 Mbps upstream
- Supports Dying Gasp (optional)

Management

- User Friendly GUI via HTTP and HTTPS
- GUI-embedded Easy Setup wizard
- On demand Remote GUI assistance (helpdesk)
- Web-browsing Intercept (install / diagnostics)
- PC (wireless) Technicolor Gateway Setup Wizard
- TR-069 CPE WAN Management Protocol
- TR-104 Voice Service Provisioning
- TR-098 Internet Gateway Device Management
- TR-111 Home Network Device Management
- TR-140 Storage Service Provisioning
- TR-064 LAN Side Configuration
- Zero-Touch Auto-Provisioning

Services

- Parental control (Website Content Filtering)
- Open architecture for 3rd party application development

Wireless Performance and Security

- Wi-Fi IEEE 802.11b/g 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

Firewall Security

- Stateful Packet Inspection Firewall (SPIF)
- Customizable firewall security levels
- Intrusion detection and prevention (DoS, SYN Flood, Ping of Death, Fraggle, LAND, Teardrop, etc.)
- Website URL and Content-based filtering
- DMZ

Enabling Technologies

- Quality of Service: ATM, Ethernet, Wi-Fi, IP
- FLEXIBundLE: Multi Role User Authorization
- Hyper-Nat: Symmetrical NAT with Application Helpers
- Game and Application Sharing NAT PortMaps
- «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



Technical Specifications

Voice over IP Features

- **Voice Functionality**
 - Signalling: SIP, MGCP (optional), H.323 (optional)
 - Codecs: G.711, G.726, G.729, Wideband (G.722), T.38
 - Flexible Telephone number per FXS and DECT Handsets, including Common Numbers
 - Interoperable with main market softswitches
- **FXO**
 - Fully flexible dial plan 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
 - Call hold, call return
 - CLIP (Calling Line Identification Presentation)
 - CLIR (Calling Line Identification Restriction)
 - CNIP (Calling Name Identification Presentation)
 - CNIR (Calling Name 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
 - Anonymous Call Rejection
 - Distinctive Ringing
 - Voice Mail on No Reply
 - Support for Secondary Outbound Proxy
 - DNS NAPTR, DNS SRV

Content of the Box

- Wireless VoIP Multi-Service ADSL2+ Gateway
- Power supply unit
- ADSL cable (RJ11)
- Ethernet cable (RJ45)
- Setup CD and Leaflet
- Filter or splitter (optional)
- Foot and inlay (optional)



Technicolor TG782 back panel

Technicolor Professional Services are available to address your demands for qualified technical support & warranty, product maintenance, access to training courses and tailor-made solutions to specific product evolution. For more information, please ask your usual contact person.

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