

MediaAccess TG1100

Smart Point-to-Point Fiber Gateway



I speak
Qeo



TELECOM

DATA

VOICE

VIDEO

On the Edge with Gigabit Speeds & Services

Designed for point-to-point (P2P) Fiber-To-The-Home (FTTH) networks, the TG1100 is a carrier grade smart fiber gateway featuring an Small Form-factor Pluggable (SFP) interface on the WAN side to connect every home or small office to a fiber network. Thanks to its powerful core and scalable service memory, the TG1100 enables true gigabit connectivity between LAN devices and the network, helping you to respond to the growing and user demand for more bandwidth.

This fiber gateway also extends your broadband offers with advanced applications and services, making it the perfect solution to increase your ARPU and subscriber stickiness in highly competitive environments.

The Perfect Fit for Point-to-Point Fiber Deployments

The TG1100 is a flexible solution fully compliant with any single-mode or multi-mode fiber network operating at 100Mbps or 1000Mbps. It can be supplied with a Technicolor SFP module adapted to your specific optical requirements, or alternatively Technicolor can work with your approved SFP vendor to deliver a complete optical gateway solution.

On the LAN side, the TG1100 includes next to advanced Voice over IP (VoIP) functions, four Gigabit Ethernet LAN ports and a high-quality Wi-Fi base station with IEEE 802.11n capabilities to stream data, including rich media content, anywhere in the home.

Features at a Glance

- 1 SFP WAN port for 100/1000 Mbps P2P deployments
- 4 GE LAN ports
- Wireless networking on-board: 802.11n 2x2 (2.4 GHz)
- 2 FXS ports for phone or fax
- 2 USB 2.0 masters for hard disk, printer, 3G adapter, ...
- Future-proof full service platform
- IPv6 enabled
- Seamless media sharing (UPnP A/V™ and DLNA®)
- Extensive remote management
- Non-service-affecting platform software upgrades (dual bank memory)
- Designed to meet the latest ECO standards



MediaAccess TG1100

Smart Point-to-Point Fiber Gateway

“I speak Qeo”

The TG1100 has been developed to run Qeo, Technicolor's open, agile and distributed software framework that addresses the issue of disparate ecosystems used for device interaction. With Qeo, you can seamlessly bridge all your connected devices, applications and over-the-top cloud solutions, regardless of brand or ecosystem. As a universal software language, it lets you create totally new use cases for the connected life and the “Internet of Things” (IoT).

Qeo also includes tools to monitor and manage all Qeo enabled devices, helping you keep operational costs under control.

To learn more about Qeo, visit: www.i-speak-qeo.com

Easy to Use

The TG1100 is easy to use through simple ‘plug and play’ and easy to install with the Technicolor Gateway Setup wizard, making the setup of a wireless home network as effortless as clicking a button.

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.

With Wi-Fi Protected Setup (WPS) users can easily connect with the TG1100 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.

Voice over IP

The TG1100 offers POTS phone connectors to accommodate phones and faxes. 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.

On top of a wide range of advanced voice services like caller ID, CLIR, call waiting, call forwarding, three-way conference and message waiting notification, the TG1100 is completely interoperable with the main IMS cores in the market.

Media Sharing

The TG1100 acts as a central hub for distribution of all content from any device to any device in the home. You can stream music, data, pictures and video from your gateway to devices connected to your wired or wireless home network.

IPv6 Enabled

With the approaching IPv4 address pool depletion, our products need to be ready for IPv6. Technicolor is a frontrunner in the introduction of IPv6 on its devices, with the TG1100 being enabled for multiple IPv6 field scenarios. 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.

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.

Easy to Manage

The TG1100 is completely designed according to the TR-069 data model through which the device can be configured remotely by the operator without interrupting the end user's experience. In addition, the Device:2 data model is available to increase remote management capabilities such as life cycle management, diagnostics and applications.

ECO

Technicolor is committed to offers its customers sustainable products and implements a set of ECO features to reach the best possible environmental performance. In addition to carefully selected plastics and packaging to minimize the ecological footprint, the TG1100 benefits from a unique combination of hardware and software features that reduce power consumption substantially.

Professional Services

To reinforce our extensive portfolio of digital home solutions, Technicolor has a dedicated Professional Services team to make sure that every deployment is a success, from initial provisioning and integration to operations, upgrades, ongoing support and beyond.

Our wide array of services spans the entire customer project lifecycle, encompassing:

- Expert consulting
- Seamless system integration
- Warranty on all our products
- Qualified technical support and maintenance
- Efficient repair, refurbishment and recycling

MediaAccess TG1100

Smart Point-to-Point Fiber Gateway

Technical Specifications

Hardware Specifications

| | |
|--------------------|--|
| ■ Interfaces WAN | 1 SFP interface, compatible with 100 Mbps and 1000 Mbps modules |
| ■ Interfaces LAN | 4-port autosensing 10/100/1000 Base-T auto-MDI/MDI-X Ethernet LAN switch 2 FXS POTS ports 2 USB 2.0 master ports Wi-Fi IEEE 802.11n 2.4GHz 2x2 on board |
| ■ Interfaces other | Power button WPS button ECO button Reset button |
| ■ Dimensions | 221 x 171 x 39 mm (8.7 x 6.7 x 1.5 in.) |
| ■ AC Voltage | 100 - 240 VAC (switched mode power supply) |
| ■ Temperature | 0° - 40° C (32° - 104° F) |
| ■ Humidity | 20% to 80% |

Wireless Specifications

- Wi-Fi IEEE 802.11b/g/n 2.4 GHz access point, Wi-Fi Certified®
- WPA2™-Personal / WPA™-Personal / WEP™
- Wi-Fi Multimedia (WMM®)
- Wi-Fi Protected Setup (WPS™)
- Up to 4 BSSIDs (virtual AP) support
- Security and service segregation per SSID
- Dynamic rates switching for optimal wireless rates
- RX/TX switched diversity
- 2x2 streams
- Manual/auto radio channel selection

Management

- Customizable user-friendly GUI via HTTP and HTTPS
- Unified management interface (MBus)
- Web services API for remote access (portal, management, diagnostics, applications, ...)
- GUI-embedded Easy Setup wizard
- On-demand remote GUI assistance (helpdesk)
- Web-browsing intercept (install/diagnostics/captive portal)
- Technicolor Gateway Setup wizard
- TR-069 CPE WAN Management Protocol
 - TR-098 Internet Gateway Device Management
 - TR-181i2 Device:2 data model
 - TR-157a3 Life Cycle Management (LCM)
 - TR-104 voice service provisioning and configuration
 - TR-111 home network device management
 - TR-140 storage service provisioning
- TR-064 LAN side configuration
- Zero-touch autoprovisioning

Services

- Printer sharing
- 3G mobile
- URL- and (optional) content-based website filtering
- Open architecture for 3rd party application and UI development
- HDD file systems: FAT32, NTFS, EXT2, EXT3, HFS+ (optional)
- Content sharing
 - Samba file server
 - UPnP A/V™ media server and control point (optional)
 - Certified DLNA® DMS
 - Metadata support
 - Remote HDD file access

Security

- Stateful Packet Inspection Firewall (SPIF)
- Customizable firewall security levels
- Intrusion detection and prevention (DoS, SYN Flood, Ping of Death, Fraggle, LAND, Teardrop, etc.)
- DeMilitarized Zone (DMZ)
- Multi-level access policy
- "SIM-lock" provider locking

Networking

- Symmetrical NAT with application helpers (ALGs)
- Game and application sharing NAT port maps
- DHCP conditional serving & relay, DNS server & relay
- IGMPv3 proxy (Fastleave)
- IGMP snooping (full routed)
- DHCP spoofing
- Flexiport (automatic selection of Ethernet port bridged IPTV)
- IEEE 802.1q VLAN bridging, multiple bridge instances

IPv6 Networking

- IPv4 / IPv6 dual IP stack
- Supported models
 - PPP(oE) – IPoE
- Transitioning
 - 6rd/6to4/6in4
 - DSLite
- Stateful connection tracking / stateful inspection firewall
- DHCPv6
 - Stateful/stateless DHCPv6 client
 - Stateless DHCPV6 server
 - Relay
 - Prefix Delegation
- DNS v4/v6 Proxy
- ULA
- ICMPv6
- IPv6 Quality of Service
- MLDv1/v2

Quality of Service

- IP QoS
 - Flexible classification (ALG aided)
 - IP rate limiting (two-rate remarking/dropping)
 - DSCP (re) marking
 - TCP ACK optimization
 - Dynamic link fragmentation
 - Per service class connection/resource reservation
- Ethernet QoS
 - Priority or C-VLAN/S-VLAN tagging
 - Switch port queuing and scheduling
- Wireless QoS
 - WMM (BE, BK, VI, VO access categories) queuing and scheduling

MediaAccess TG1100

Smart Point-to-Point Fiber Gateway



Technical Specifications

Voice over IP Features

- Voice functionality
 - Signalling: SIP, MGCP (optional), H.323 (optional)
 - Codecs: G.711, G.726, G.729, wideband (G.722.2), T.38
 - Echo cancellation: G.168 compliant
 - Comfort Noise Generator (CNG)
 - Flexible telephone number per FXS
 - including common numbers
 - Interoperable with main market softswitches
- Supplementary and advanced services
 - Call waiting (on call basis)
 - Caller ID
 - Call forwarding (no answer/busy/unconditional)
 - Call transferring
 - Call hold, call return
 - Calling Line Identification Presentation (CLIP)
 - Calling Line Identification Restriction (CLIR)
 - Calling Name Identification Presentation (CNIP)
 - Calling Name Identification Restriction (CNIR)
 - Fax transparency
 - 3-way conference
 - Message Waiting Indicator (MWI)
 - Missed call email
 - Click to dial
 - Warm line
 - Call completion to busy subscriber
 - Abbreviated number
 - Common number in/outgoing call
 - Anonymous Call Rejection (ACR)
 - Distinctive ringing
 - Voice Mail on No Reply (VMNR)
 - Support for secondary outbound proxy
 - DNS NAPTR, DNS SRV

Content of the Box

- Smart Point-to-Point Fiber Gateway
- Ethernet cable (RJ-45)
- Power supply unit
- Setup CD and leaflet(s) (optional)

TECHNICOLOR WORLDWIDE HEADQUARTERS
1, rue Jeanne d'Arc
92443 Issy-les-Moulineaux France
Tel: +33 (0)1 41 86 50 00 - Fax: +33 (0)1 41 86 58 59

www.technicolor.com

SALES CONTACT

For more information please get in touch with your usual sales representative or use the following email:

EMESalescontact@technicolor.com

APACSalescontact@technicolor.com

NAMSalescontact@technicolor.com

LATAMSalescontact@technicolor.com

technicolor



© Copyright 2013 Technicolor. All rights reserved.
Photos and specifications are subject to change without notice. All trade names referenced are service marks, trademarks, or registered trademarks of their respective companies.
DMS-DAT-20130122-0000 v1.0
DS-248-v01-1305