TECHNICOLOR TG 788vn v2

WIRELESS N VOIP ULTRA BROADBAND GATEWAY

- Integrated VDSL2 modem
- 4 FE ports to connect multiple devices, such as PCs, laptops, set-top boxes...
- Wireless networking on-board: 802.11b/g/n (2.4 GHz)
- Wi-Fi Protected Setup (WPS™)
- 2 FXS ports
- Media sharing: UPnP A/V and DLNA
- 1 USB 2.0 master for hard disk, printer, 3G adapter ...
- Remotely manageable: TR-069, TR-098, TR-104, TR-111
- Built-in stateful firewall, parental control
- Innovative, easily customizable design
- Future-proof hardware and software
- IPv6 ready

SPECIFICATIONS

HARDWARE	
Interfaces WAN	RJ-11 DSL line port
Interfaces LAN	4-port autosensing 10/100Base-T auto-MDI/MDI-X Ethernet LAN switch 2 FXS POTS ports 1 USB 2.0 host/master Wi-Fi IEEE 802.11b/g/n on-board
Extras	WPS button ECO button Reset button Power button
Dimensions	195 x 60 x 230 mm (9 x 2.4 x 9.7 in.)
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 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 3 Mbps upstream
VDSL2 compliance	ITU G.993.2 SOS SRA INM Up to 17 MHz profiles (POTS/ISDN) ITU-T G.993.5 (G.vector) ITU-T G.998.4 (G.inp)
WIRELESS PERFORMANCE AND SECURITY	
Wi-Fi IEEE 802.11b/g/n access point Wi-Fi CERTIFIED®	
WPA(2)™-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	
Manual/auto radio channel selection	
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 Echo cancellation: G.168 compliant Comfort Noise Generator (CNG) Flexible telephone number per FXS, including common numbers Interopable 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 Forced FXO 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

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MANAGEMENT	
Customizable user-friendly GUI via HTTP and HTTPS	
Unified management interface (MBus)	
AutoWAN sensing™: automatic selection and configuration of WAN interface	
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)	
Technicolor Gateway Setup wizard	
TR-069 CPE WAN Management Protocol	TR-098 Internet Gateway Device Management TR-104 voice service provisioning and configuration TR-111 home network device management TR-064 LAN side configuration
Zero-touch autoprovisioning	
SERVICES	
Printer sharing	
3G mobile	
URL- and content-based website filtering (optional)	
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 Certified DLNA® DMS Metadata support Remote HDD file access
NETWORKING	
Symmetrical NAT with application helpers (ALGs)	
Game and application sharing NAT port maps	
DHCP conditional serving & relay, DNS server & relay	
IGMPv3 proxy	
IGMP snooping	
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)(oA) – IPoE(oA)
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	
ATM QoS	UBR, VBR-nrt, VBR-rt, CBR shaping, queuing and scheduling CLP tagging
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
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)	
Multi-level access policy	
“SIM-lock” provider locking	

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