32 x 8

MediaAccess TC4350
Ultra-Broadband Cable Modem
for Gigabit speeds

CABLE	DATA

The TC4350 is a DOCSIS 3.0 cable modem introducing the next generation in Gigabit access speed data services.

■ Latest High-Bandwidth Technology

The TC4350 is a DOCSIS 3.0 cable modem offering next to 8 bonded upstream channels, 32 bonded downstream channels for wired download speeds of up to 1372 Mbps. This enables operators to offer their customers even faster broadband access as well as demanding IPTV services.

Moreover, the TC4350 incorporates a switchable diplexer for upstream filter to switch between low- and mid-split filters.

■ Full Band Capture Solution

Thanks to its fully integrated 1 GHz wideband tuner, the TC4350 exceeds SCTE-40+ performance and eliminates all frequency limitations of traditional wideband tuners.

The TC4350 enables use of the full Radio Frequency (RF) spectrum without the need for grouped channels. This helps the operator migrate its entire DOCSIS 3.0 install base from one to 32 DOCSIS downstream channels without having to re-align all its broadband channels to accommodate this new service.

Remote diagnostics provides real time, unobtrusive diagnostic and spectrum analysis capabilities, without effecting user service on any of the 32 downstream channels.

■ Advanced Security

To secure data exchange between the modem and the cable operators' servers, BPI+ communications privacy is used.

■ Easy to Use

Like all Technicolor modems and gateways, the TC4350 is an easy to use and easy to install device.

For convenience of the end user, the easy-to-access LEDs provide a clear indication of start-up sequence, operational status, and connectivity status.

Multiple integrated web pages also allow direct access to the status and settings, including privacy and security information.

■ ECO

Technicolor is committed to offer 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 TC4350 benefits from a unique combination of hardware and software features that reduce power consumption substantially.

Features at a Glance

- DOCSIS® 3.0 compliant
- Backward compatible with DOCSIS® 2.0 (and older)
- 8 bonded upstream and 32 bonded downstream channels
- Switchable diplexer for upstream 5-42 MHz low- and 5-85 MHz mid-split
- Full band capture tuner
- Built in RF spectrum analyzer
- 1 GE LAN port
- IPv4, and IPv6 DS-Lite support
- Designed to meet the latest ECO standards

ECO

RoHS COMPLIANT

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Technical Specifications

Hardware specifications

- Interfaces WAN — 1 RF connector F-Type
- Interfaces LAN — 1 1000 Base-T Ethernet port
- Interfaces other — Reset button
- Dimensions — 150 x 30 x 150 mm (5.9 x 1.18 x 5.9 in)
- Power supply — 120 VAC, 60 Hz
- Operating temperature — 0° to 40° C (32° - 104° F)
- Operating humidity — 20 % to 90 % non-condensing
- Storage temperature — -20° to 70° C (-4° - 158° F)

Cable certifications

- Data — DOCSIS® 3.0 compliant
- CMTS interoperability — Any qualified DOCSIS® CMTS

Receiver specifications

- Downstream modulation
  - 64, 256 QAM
- Downstream frequency range
  - 108 - 1002 MHz
- Number of downstream channels
  - Up to 32
- Maximum downstream data range
  - 1372 Mbps (theoretical 42.88 Mbps x 32 channels)
- Capture windows — Full Band Capture (possibility to have any of the 32 downstream channels over the full DOCSIS spectrum)
- Input signal level range — -15 dBmV / + 15 dBmV
- Input impedance — 75 Ohm

Transmitter specifications

- Upstream modulation — QPSK
  - 8, 16, 32, 64 and 128 QAM
- Upstream frequency range — Software selectable
  - 5 - 42 MHz (32x8)
  - 5 - 85 MHz (32x8)
- Number of upstream channels
  - 8
- Maximum upstream data range
  - 262 Mbps (theoretical 32.78 Mbps x 8 channels)
- Channel bandwidth — 200, 400 and 800 kHz, 1.6, 3.2 and 6.4 MHz
- Output impedance — 75 Ohm

Management

- User-friendly GUI via HTTP
- Web-based user interface management and administration
- Logging and alert

Networking

- Network protocol — IP (IPv4, IPv6 DS-Lite)
  - TCP, UDP, ARP, ICMP, DHCP, TFTP, SNMP, HTTP
- Protocol filtering — Ethernet and IP
- SNMP management — SNMP v2, SNMP v3

Software

- Downloadable software
- Multiple client support — 254
- Class of services — 16 DSIDs
  - 16 service flows
- Security — BPI+
- HTTP server

Environmental features

- Power control features — Power reduction schemes built-in

Content of the box

- MediaAccess TC4350
- Ethernet cable (RJ-45)
- Power supply unit
- Quick Setup leaflet(s) (optional)
- Safety Instructions & Regulatory Information booklet (optional)

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

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