

# MediaAccess TC4210

Ultra-Broadband  
Cable Gateway



16 x 4



CABLE

DATA

## Latest High-Bandwidth Technology

The TC4210 is a EuroDOCSIS 3.0 cable gateway introducing the next generation in high-speed data services. This new cable solution offers next to four bonded upstream channels, 16 bonded downstream channels for wired download speeds of up to 880 Mbps. Operators can now offer their customers even faster broadband access as well as demanding IPTV services.

## Full Band Capture Solution

Thanks to its fully integrated 1 GHz wideband tuner, the TC4210 exceeds SCTE-40+ performance and eliminates all frequency limitations of traditional wideband tuners. The TC4210 enables use of the full Radio Frequency (RF) spectrum without the need for grouped channels. This helps the operator migrate its entire EuroDOCSIS 3.0 install base from one to 16 EuroDOCSIS downstream channels without having to re-align all its broadband channels to accommodate this new service.

## Features at a Glance

- EuroDOCSIS® 3.0 compliant
- Backward compatible with EuroDOCSIS® 2.0 (and older)
- 4 bonded upstream and 16 bonded downstream channels
- Full band capture tuner
- Built in RF spectrum analyzer
- 1 GE LAN port
- MPEG2 over IP encapsulation solution
- MoCA immunity in a MoCA capable environment
- IPv4, and IPv6 DS-Lite support
- Designed to meet the latest ECO standards



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## Advanced Security

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

## Easy to Use

Like all Technicolor modems and gateways, the TC4210 is an easy to use, easy to install gateway.

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.

## Video Streaming

The TC4210 contains an MPEG2 to IP encapsulation solution allowing the capture of the DVB-C free-to-air video signal on the RF network and the distribution of this video signal over IP on the local network of the customer.

This feature is available upon software upgrade of the TC4210 and is a first step for cable operator towards distributing IPTV without any change to their existing QAM (digital video) broadcast infrastructure.

## 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 TC4210 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

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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	120-240 VAC, 50-60 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	EuroDOCSIS® 3.0 compliant
■ CMTS interoperability	Any qualified EuroDOCSIS® CMTS

### Receiver Specifications

■ Downstream modulation	QAM 64/256
■ Downstream frequency range	108 - 862 MHz
■ Maximum downstream data range	880 Mbps (theoretical) (55.62 Mbps x 16 channels)
■ Capture windows	Full Band Capture: possibility to have any of the 16 downstream channels over the full EuroDOCSIS® spectrum
■ Number of downstream channels	Up to 16
■ 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	5 - 65 MHz
■ Maximum upstream data range	122 Mbps (theoretical) (30.72 Mbps x 4 channels)
■ Number of upstream channels	4
■ Channel bandwidth	200, 400 and 800 kHz, 1.6, 3.2 and 6.4 MHz
■ Output impedance	75 Ohm

### Management Features

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

### Networking Features

■ Network protocol	IP, TCP, UDP, ARP, ICMP, DHCP, TFTP, SNMP, HTTP
■ Protocol filtering	Ethernet and IP
■ SNMP management	SNMP v2, SNMP v3

### Software Specifications

■ Downloadable software	
■ Multiple client support	254
■ Class of Services	32 DSIDs and 32 Service Flows
■ Security	BPI+
■ HTTP server	

### Environmental features

■ Power control features	Power reduction schemes built-in
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### Content of the Box

■ MediaAccess TC4210
■ Ethernet cable (RJ-45)
■ Power supply unit
■ Quick Setup leaflet(s) (optional)
■ Safety Instructions & Regulatory Information booklet (optional)



TC4210 back panel

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