

TCM471

DOCSIS/
EuroDOCSIS 3.0
Cable Modem



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.

With the evolution of cable standards, DOCSIS/EuroDOCSIS 3.0 will prove decisive for cable operators wishing to provide high bandwidth data delivery and to stay ahead of the content with game and video over IP delivery. With this second generation of High Speed Data Services Solution, Technicolor provides up to eight (8) bonded downstream channels and four (4) bonded upstream channels, with a design backward-compatible for use as a single-channel with older networks without any service interruption.

The new TCM471 comes in the sleek attractive design Technicolor has adopted as the new «family look».

CABLE

DATA

Easy to Use, Easy to Install

As all Technicolor gateways, the GEthernet port TCM471 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 and connectivity status. Multiple integrated Web pages allow direct access to the status and settings, including privacy and security information.

Ecological Design

Technicolor, as front-runner in ecological design, offers in the TCM471 advanced features to reduce power consumption. It is designed with advanced power management to better control power consumption, thanks to the integrated tuner. The Gateway's power consumption is optimized in order to lower it when possible, thanks to high integration, the ability to turn off the main IC's module with future SW evolutions, etc.

Advanced Diagnostics

- Advanced web pages to facilitate installation and troubleshooting
- Easy configuration and set-up
- Remote access via SNMP, Web Page
- Post-installation easily managed with SNMP

Features at a Glance

- EuroDOCSIS 3.0 certified dual mode modem: DOCSIS/EuroDOCSIS 3.0
- 96MHz tuner fully compliant with EuroDOCSIS
- 1 Gigabit Ethernet port
- MPEG2 over IP Encapsulation solution
- Reliable high-performance platform
- Powerful processor and architecture
- Supports IPv4 and IPv6
- BPI+ communications privacy to support secure data exchange between modems & cable operator's servers
- Backward compatible with EuroDocsis2.0

EXCENTIS



Cable
Europe
Labs

TCM471

DOCSIS/EuroDOCSIS 3.0
Cable Modem



Technical Specifications

Standards / Certifications

- Data EuroDOCSIS 3.0 certified
- CMTS Interoperability Any qualified EuroDOCSIS and DOCSIS(*) CMTS

Receiver

- Downstream Modulation QAM 64/256
- Downstream Frequency Range 88-1002 MHz
- Maximum Downstream Data Range 440 Mbps (theoretical) (55.61 Mbps x 8 channels)
- Capture Windows 96 MHz capture window with integrated dual tuner solution
- Number of Downstreams up to 8
- Input Signal Level Range -17dBmV ~ +13dBmV (64QAM)
-13dBmV ~ +17dBmV (256QAM)
- Input Impedance 75 Ohm

Transmitter

- Upstream Modulation QPSK and 8, 16, 32, 64 and 128 QAM
- Number of Upstreams 4
- Upstream Frequency Range 5-65 MHz
- Maximum Upstream Data Range 131 Mbps (theoretical) (32.78 Mbps x 4 channels)
- Channel Bandwidth 200, 400 and 800kHz, 1.6, 3.2 and 6.4 MHz
- Output Impedance 75 Ohm
- Output Signal Level Range A-TDMA:
+68 to +118 dB μ V @ QPSK
+68 to +115 dB μ V @ QAM 8/16
+68 to +114 dB μ V @ QAM 32/64
S-CDMA:
+68 to +113 dB μ V /All

PC Compatible

- Operating Systems Windows 2000, XP, Vista and 7
- Ethernet Port 10/100/1000 Base-T
- Drive CD-ROM

Software Features

- Software Downloadable yes
- Multiple Client Support 32
- Class of Services (CoS) 16 SIDs
- Protocol Filtering Ethernet & IP
- SNMP Management V2, V3
- Security BPI+
- HTTP Server (CM status) yes
- Local configuration yes
- Through HTTP server yes

Interfaces / Physical

- Giga Ethernet 1 x RJ45
10/100/1000 Base-T auto detect
- RF Connector 1 x F-Type
- Buttons Reset, on/off
- LEDs Power, DS, US, Online, Link
- Power Supply External, 230VAC 50Hz
- Operating Temperature 0° to 40°C
- Operating Humidity 20% to 90% non-condensing
- Storage Temperature -20° to 70°C
- Safety CE and CB

Packaging Information

- Cabinet Dimensions mm: 150 (L) x 150 (D) x 30 (H)
- Cabinet Weight Approx. 0,319 kg
- Packaging Dimensions mm: 272 (L) x 178 (D) x 73 (H)
- Shipping Weight Approx. 0,615 kg
- Master-pack Dimensions mm: 560 (L) x 387 (D) x 200 (H)
- Master-pack Shipping Weight Approx. 7,1kg
- Master-pack Quantity 15 units

Content of the Box

- Cable Modem
- Power supply
- Ethernet Cable
- CD-ROM
- Quick Installation Guide

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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