technicolor

TCM470
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.

CABLE

DATA

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 new generation of High Speed Data Services Solution, Technicolor introduces 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. Thanks to the integrated dual split tuner solution, the operator will benefit from flexibility in channel allocation: to ease the management when the channel frequency plan is loaded or to separate data from other services such as video over IP.

The new TCM470 comes in the sleek attractive design Technicolor has adopted as the new «family look».

Easy to Use, Easy to Install

As all Technicolor gateways, the GEthernet port TCM470 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 TCM470 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
- 64 MHz dual tuner fully compliant with DOCSIS
- 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

TCM470
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	64 MHz capture window split into two windows of 32 MHz thanks to the 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

PC Compatible

Operating Systems	Windows 2000, XP and Vista
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

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