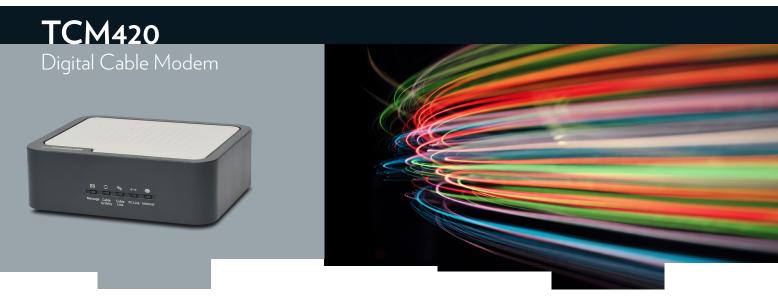
technicolor



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.

DATA

Technicolor's DOCSIS/Euro-DOCSIS2.0 cable modem, the TCM420 provides a competitive offer to cable operators with a compact and an easy-setup solution for consumers. This product benefits from an improved receiving performance by the use of a world class tuner.

Technicolor's robust case design is consistent throughout its product line of cable modems and gateways.

Easy to Use, Easy to Install

As all Technicolor gateways, the TCM420 with Ethernet and USB port 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.

Bridging

Allows simultaneous connections of two PCs, enables Ethernet and USB port data traffic bridging.

Advanced Diagnostics

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

Features at a Glance

- EuroDOCSIS 2.0 certified
- Dual mode modem: DOCSIS/EuroDOCSIS 2.0
- Propane[™] technology, enabling the connection of more Internet users without additional network bandwidth
- Ethernet and USB 1.1 ports for wired connectivity and easy installation
- Reliable high-performance platform
- IPv6 ready
- BPI+ communications privacy to support secure data
- exchange between modems & cable operator's servers





TCM420 Digital Cable Modem

Technical Specifications

Standards / Certifications

Data

CMTS Interoperability

WHQL-certified USB driver

EuroDOCSIS 2.0 certified Any qualified Euro-DOCSIS and DOCSIS CMTS yes

Receiver

Downstream Modulation	QAM 64/256
Downstream Frequency Range	108-862 MHz
 Maximum Downstream Data Range 	41.71/55.61 Mbps
Input Signal Level Range	+43 to +73 dBµV (QAM 64)
	+47 to +77 dBµV (QAM 256)
BER	<1x10-8 @ C/N>25,5dB, QAM 64 with FEC
	<1x10-8 @ C/N>34,5dB, QAM 256 with FEC, received power = +47 to
	+54 dBµV
	<1x10-8 @ C/N>31,5dB, QAM 256
	with FEC, received power = +54 to
	+77 dBμV
Input Impedance	75 Ohm

Transmitter

- Upstream Modulation
 Additional Upstream Modulation Types
 Upstream Frequency Range
 Maximum Upstream Data
- Range
- Output Signal Level Range

Output Impedance

- Channel Bandwidth
- Automatic Level Adjust
- Gain Control Range
- Frequency Stability

PC Compatible

CPU

- MemoryOperating Systems
- Available Disk Space
- Sound Card
- Video
- Ethernet Port
- USB port

Drive

75 Ohm Programmable (200*N KHz) N=1, 2, 4, 8, 16, 32 yes 50dB ± 5 kHz 486DX 66MHz (Pentium Preferred) RAM 16MB (32MB Preferred) Windows 2000, XP and Vista 76 MB 16-Bit VGA (SVGA Preferred)

QPSK and 16 QAM

Max 5.12/10.24 Mbps {QPSK/QAM 16},

5-65 MHz

A-TDMA:

S-CDMA: +68 to +113 dBµV /All

QAM 8/32/64 for A-TDMA and

QAM 128 for S-CDMA channels

Max 30.720 Mb/s (QAM 64)

+68 to +115 dBµV @ QPSK +68 to +118 dBµV @ QAM 8/16 +68 to +114 dBµV @ QAM 32/64

10/100 Base-T With Windows 98SE/ME/2000/ XP/Vista CD-ROM

TCM420 Digital Cable Modem

Technical Specifications

Software Features

Software Downloadable	yes
Bridging	Between USB and Ethernet
Multiple Client Support	32
Class of Services (CoS)	16 SIDs
Protocol Filtering	Ethernet & IP
SNMP Management	V2, V3
Security	BPI+
Privacy	Through encryption between gateway and PC
HTTP Server (CM status)	yes

Interfaces / Physical

Ethernet	1 x RJ45
	10/100 Base-T auto detect
RF Connector	1 x F-Type
USB Port device	1x USB 1.1
Button	Reset
■ LEDs	Message, Cable Activity, Cable Link, PC Link, Internet
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
- Packaging Dimensions
- Shipping WeightMaster-pack Dimensions

Master-pack Quantity

mm: 126 (L) x 110 (D) x 42 (H) mm: 255 (L) x 170 (D) x 85 (H) Approx. 1,1 kg mm: 780 (L) x 350 (D) x 258 (H) Approx. 10 kg 18 units

Content of the Box

Master-pack Shipping Weight

- Cable Modem
- Power supply
- Ethernet Cable
- USB 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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For more information please get in touch with your