technicolor

DCM476
DOCSIS 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 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 keeps 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 DCM476 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 DCM476 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 DCM476 advanced features to reduce power consumption. It is designed with advanced power management to better control power consumption, thanks to the integrated tuner.

Additional power control features are supported with the ability to turn off any or all modules, to slow down or turn off processors and to turn off all external interfaces, reducing the power consumption even more.

Features at a Glance

- DOCSIS 3.0 certified
- 96 MHz integrated tuner fully compliant with DOCSIS 3.0
- 1 Gigabit Ethernet port
- MPEG2 over IP Encapsulation solution
- Reliable high-performance platform
- Powerful processor and architecture
- Advanced Power Control
- BPI+ communications privacy to support secure data exchange between modems & cable operator's servers

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Advanced Diagnostics

■ Advanced 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

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Technical Specifications

Standards / Certifications

■ Data	DOCSIS 3.0 certified
■ CMTS Interoperability	Any qualified DOCSIS CMTS

Receiver

■ Downstream Modulation	QAM 64/256
■ Downstream Frequency Range	54-1002 MHz
■ Maximum Downstream Data Range	340 Mbps (theoretical) (42.88 Mbps x 8 channels)
■ Capture Windows	96 MHz capture window with integrated tuner solution
■ Number of Downstreams	up to 8
■ Input Signal Level Range	-15dBmV ~ + 15dBmV
■ Input Impedance	75 Ohm

Transmitter

■ Upstream Modulation	QPSK and 8, 16, 32, 64 and 128 QAM
■ Number of Upstreams	4
■ Upstream Frequency Range	5-42 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 dBμV @ QPSK +68 to +115 dBμV @ QAM 8/16 +68 to +114 dBμV @ QAM 32/64 S-CDMA: +68 to +113 dBμV /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
■ Button	Reset
■ LEDs	Power, DS, US, Online, Link
■ Power Supply	External, 120VAC 60Hz
■ Operating Temperature	32° F to 104° F
■ Operating Humidity	20% to 90% non-condensing
■ Storage Temperature	-4° F to 158° F
■ Safety	FCC Part 15

Packaging Information

■ Cabinet Dimensions	in: 5.9 (L) x 5.9 (D) x 1.18 (H)
■ Cabinet Weight	Approx. 0.306 lb
■ Packaging Dimensions	in: 9.05 (L) x 8.58 (D) x 2.87 (H)
■ Shipping Weight	Approx. 1.356 lb
■ Master-pack Dimensions	mm: 18.74 (L) x 15.23 (D) x 7.87 (H)
■ Master-pack Shipping Weight	Approx. 15.65 lb
■ Master-pack Quantity	10 units

Content of the Box

- ■ Cable Modem
- ■ Power supply
- ■ Ethernet Cable
- ■ CD-ROM

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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