

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.

CABLE
DATA

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 Uptreams 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 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
- 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

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