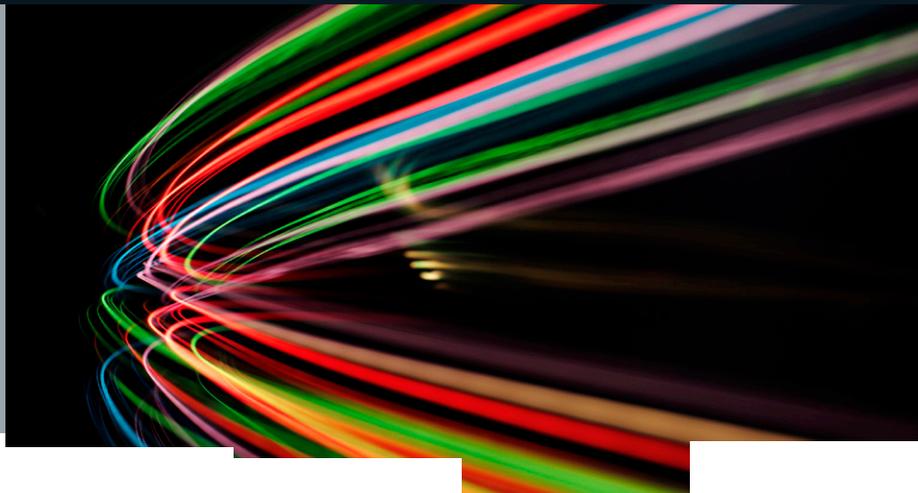


DCW725

4 Ethernet-Ports
Wireless Cable Gateway



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

Technicolor's DOCSIS 2.0 DCW725 is a full-featured wireless cable gateway offering additional connectivity options and remote management capability for additional services to the customer. The DCW725 gateway, with integrated cable modem, includes wireless (802.11b/g), 4-port Ethernet and USB connectivity with a full complement of firewall, router, security, remote management and more. Multiple local configuration capabilities make this Technicolor gateway ideal for both residential and SOHO environments.

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

High Speed Wireless Interface

The DCW725 supports the 802.11b/g standard at speeds up to 54Mb/s and integrates an internal 32-bit data bus that guarantees superior handling of data traffic.

Advanced in Security

To ensure end users and operators with the fullest possible secure solution, Technicolor built in several security mechanisms.

The integrated firewall guarantees users ultimate network security. It minimizes undesired service impact and provides stateful inspection of packets. An integrated Denial of Service (DoS) engine monitors a wide range of attack patterns, and logs potential security breaches to a local cache or remote server.

Features at a Glance

- DOCSIS 2.0
- E-router
- Propane™ technology, enabling the connection of more Internet users without additional network bandwidth
- 802.11b/g wireless connection supporting 254 PCs at speeds up to 54Mb/s
- Ethernet and USB 1.1 ports for wired connectivity and easy installation
- Privacy through WEP, WPA or WPA2 protocols (encryption between the gateway and the PC)
- Reliable high-performance platform
- IPv6 ready
- VPNs with IPSec

CableLabs®

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The DCW725 also supports powerful wireless security mechanisms, such as Wi-Fi Protected Access (WPA, WPA2), Wired Equivalent Privacy (WEP) encryption. This allows users to communicate and access data with efficient link quality and the highest level of network security.

On top of that a wireless access control mechanism is built in to prevent unauthorized wireless users from accessing.

To secure data exchange between the gateways and the cable operators' servers, BPI+ communications privacy is used.

Easy to Use, Easy to Install

As all Technicolor gateways, the 4-port Ethernet DCW725 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.

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Technical Specifications

Standards / Certifications

- | | |
|-----------------------------|---------------------------|
| ■ Data | DOCSIS 2.0 full compliant |
| ■ CMTS Interoperability | Any qualified DOCSIS CMTS |
| ■ WHQL-certified USB driver | Yes |

Receiver

- | | |
|---------------------------------|--|
| ■ Downstream Modulation | QAM 64/256 |
| ■ Downstream Frequency Range | 88-860 MHz |
| ■ Maximum Downstream Data Range | 30.34/42.88 Mbps (QAM 64/ QAM 256) |
| ■ Input Signal Level Range | -15 to +15 dBmV (QAM 64)
-15 to +15 dBmV (QAM 256) |
| ■ BER | <1x10 ⁻⁸ @ C/N=23,5dB, QAM 64 with FEC,
<1x10 ⁻⁸ @ C/N=30dB, QAM 256 with FEC, received power = -6dBmV to +15dBmV
<1x10 ⁻⁸ @ C/N=33dB, QAM 256 with FEC, received power = -15dBmV to -6dBmV |
| ■ Input Impedance | 75 Ohm |

Transmitter

- | | |
|--|---|
| ■ Upstream Modulation | QPSK and 16 QAM |
| ■ Additional Upstream Modulation Types | QAM 8/32/64 for A-TDMA and
QAM 128 for S-CDMA channels |
| ■ Upstream Frequency Range | 5-42 MHz |
| ■ Maximum Upstream Data Range | 30.72 Mbps (QAM 64) |
| ■ Output Signal Level Range | A-TDMA:
Programmable (200*N KHz)
N=1, 2, 4, 8, 16, 32 |
| ■ Channel Bandwidth | |
| ■ Output Impedance | 75 Ohm |
| ■ Automatic Level Adjust | Yes |
| ■ Gain Control Range | 50dB |
| ■ Frequency Stability | ± 5 kHz |

Wireless Features

- | | |
|---------------------|---|
| ■ Protocol | Fully 802.11b/g compatible |
| ■ Antenna | One external antenna |
| ■ Throughput | Up to 54Mbps data rate |
| ■ Wireless Security | 64/128 bit WEP encryption, WPA, WPA2
support of Temporal Key integrity Protocol (TKIP),
IEEE802.1x Port-Based Authentication with RADIUS client |
| ■ Multiple SSID | yes |

Gateway Features

- | | |
|--------------------|---|
| ■ Network Protocol | IP, TCP, UDP, ARP, ICMP, DHCP, TFTP, SNMP, HTTP |
| ■ Firewall | IP Filtering,
Stateful Packet Inspection (SPI),
Intrusion Detection for Denial of Service (DoS)
attacks, Flexible Parental Control, URL Content
Filtering |
| ■ Firewall Control | Web-Based User Interface
Management and
Administration, Remote User Access,
Logging &
Alert |

PC Compatible

- | | |
|------------------------|--|
| ■ CPU | 486DX 66MHz (Pentium Preferred) |
| ■ Memory | RAM 16MB (32MB Preferred) |
| ■ Operating Systems | Windows 2000, XP and Vista |
| ■ Available Disk Space | 76 MB |
| ■ Sound Card | 16-Bit |
| ■ Video | VGA (SVGA Preferred) |
| ■ Ethernet Port | 10/100 Base-T |
| ■ USB port | With Windows 98SE/ME/2000/XP/
Vista/7 |
| ■ Drive | CD-ROM |

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Technical Specifications

Software Features

■ Software Downloadable	yes
■ Multiple Client Support	254
■ Class of Services (CoS)	16 SIDs
■ Protocol Filtering	Ethernet & IP
■ SNMP Management	V2, V3
■ Security	BPI+
■ HTTP Server (CM status)	yes

Interfaces / Physical

■ Wireless	802.11 b/g connection at up to 54Mb/s
■ Ethernet	4 x RJ45 - 10/100 Base-T auto detect
■ RF Connector	1 x F-Type
■ USB Port device	1x USB 1.1
■ Button	Reset
■ LEDs	Eth1-4, WLAN/USB, Power, DS, US, Online
■ 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, UL

Packaging Information

■ Cabinet Dimensions	in: 6 1/2" (W) x 5 1/8" (L) x 1 5/8" (H)
■ Packaging Dimensions	in: 10 1/2" (W) x 7 1/4" (L) x 4 1/2" (H)
■ Shipping Weight	Approx. 3 lbs
■ Master-pack Dimensions	in: 22 1/4" (W) x 15 1/2" (L) x 11 1/4" (H)
■ Master-pack Shipping	Weight Approx. 35 lbs
■ Master-pack Quantity	10 units

Content of the Box

- Cable Gateway
- 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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