

TECHNICOLOR TC4400

ULTRA-BROADBAND CABLE MODEM

Das TC4400 Kabelmodem ist vollständig konform mit den aktuellsten DOCSIS 3.1 Spezifikationen und ermöglicht Downstream-Kabelgeschwindigkeiten bis zu 3.6 Gbps mittels 2 Orthogonal-Frequency-Division-Multiplexing-(OFDM) Downstream-Kanälen (bis zu 5 Gbps im Fall von 32 Single Carrier QAM) und bis zu 1.5 Gbps Upstream-Geschwindigkeit mittels 2 Orthogonal Frequency-Division Multiple Access (OFDMA) Upstream-Kanälen.



- DOCSIS 3.1 konform
- Abwärts kompatibel mit (Euro)DOCSIS 3.0
- 2 x 2 OFDM(A) gebündelte Kanäle im DOCSIS 3.1 Modus
- 32 x 8 gebündelte Kanäle im DOCSIS 3.0 Modus
- Schaltbarer Diplexer für Upstream- und Downstream-Frequenz bis zu 204 MHz gesplittet
- Bis zu 1.2 GHz Full Band Capture Tuner
- Eingebauter HF Spectrum Analyzer
- 2 GE LAN ports
- Dual Stack IPv4 & IPv6 enabled
- Entspricht den neuesten ECO-Standards

HARDWARE		SOFTWARE	
Interfaces WAN	1 F-type RF connector, external threaded	Security	Baseline Privacy Interface Plus (BPI+)
Interfaces LAN	2 10/100/1000 Base-T Ethernet ports	Multiple client support	32
		Class of Services	16 downstream IDs 16 upstream service flows
Buttons	Reset button Power button (depending on model)	NETWORKING	
Dimensions	163 x 53 x 145 mm (8.42 x 2.09 x 5.71 in.)	Network Protocol	Dual stack IP (IPv4, IPv6) TCP, UDP, ARP, ICMP, DHCP TFTP, SNMP, HTTP, Telnet
Power Supply	12 VDC via external PSU		
AC Voltage	120 - 240 VAC, 50 - 60 Hz (switched mode PSU)	TRANSMITTER SPECIFICATIONS	
Operating temperature	0°-40°C (32°-104° F)	Upstream Modulation	QPSK 8 QAM, 16 QAM, 32 QAM, 64 QAM, 128 QAM
Operating Humidity	5%-95% HR non-condensing	Upstream Frequency Range (software selectable)	DOCSIS 3.0 5 - 42 MHz 5 - 85 MHz EuroDOCSIS 3.0 5 - 85 MHz 5 - 204 MHz
CABLE CERTIFICATIONS			
Data	DOCSIS 3.1 compliant		

CMTS Interoperability	Any qualified DOCSIS 3.1 CMTS Any qualified (Euro)DOCSIS 3.0 CMTS	Max. Upstream Data Rates	DOCSIS 3.1 Up to 1.5 Gbps (Euro)DOCSIS 3.0 262 Mbps (theoretical, 8 x 32.78 Mbps)
		Number of Upstream Channels	DOCSIS 3.1 2 OFDMA (Euro)DOCSIS 3.0 Up to 8 bonded
RECEIVER SPECIFICATIONS			
Downstream Modulation	64 QAM, 256 QAM, 1024QAM, 2048 QAM, 4096 QAM	Channel Bandwidth	DOCSIS 3.1 96 MHz (Euro)DOCSIS 3.0 200, 400, 800 kHz 1.6, 3.2 and 6.4 MHz
		Output Impedance	75 Ohm
Downstream Frequency Range (software selectable)	DOCSIS 3.0 54 - 1002 MHz 108 - 1002 MHz EuroDOCSIS 3.0 108 - 1218 MHz 258 - 1218 MHz	MANAGEMENT	
		SNMP	SNMP v1, SNMP v2, SNMP v3
Maximum downstream rates	DOCSIS 3.1 Up to 4 Gbps Up to 5 Gbps with 32 SC-QAM (Effective local network download throughput is 2 x 1 Gbps since limited to the maximum throughput of the available Ethernet ports) DOCSIS 3.0 1372 Mbps (theoretical, 32 x 42.88 Mbps) EuroDOCSIS 3.0 1780 Mbps (theoretical, 32 x 55.62 Mbps)	Operation, Administration & Maintenance (OAM) ITU-T Y.1731	
		Software upgrade	via WAN RF connection only
Capture Windows	1.2 GHz full band capture	Logging and alert	
No. of Downstream Channels	DOCSIS 3.1 2 OFDM (Euro)DOCSIS 3.0 Up to 32 bonded		
Input Signal Level Range	-15 dBmV - +15 dBmV		