

# TECHNICOLOR TC7210

## DOCSIS 3.0 VOICE CABLE GATEWAY

- 16x4 Bonded Channels
- EuroDOCSIS 3.0 certified
- Dual Mode DOCSIS/EuroDOCSIS
- Backward compatible with (Euro)DOCSIS 2.0 (and older)
- Voice EuroPacketCable 1.5 certified
- 4 GE LAN Ports
- Wireless Networking on board:
- IEEE 802.11n 2.4 GHz (2x2)
- IEEE 802.11ac 5 GHz (3x3)
- 2 FXS Ports for Phone or Fax
- 1 USB Master Port
- MPEG2 over IP Encapsulation Solution
- Advanced Security Features
- IPv4 and IPv6 Support



## PACKAGE CONTENTS

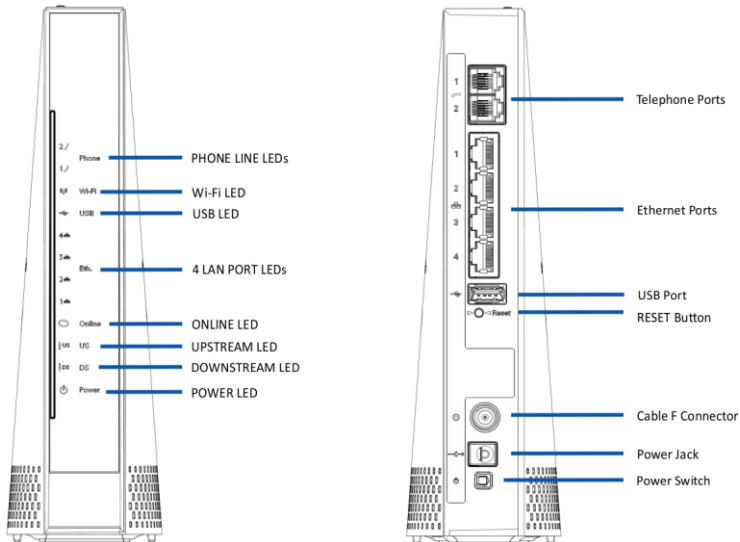


- TC7210 Cable Gateway
- Power Supply
- Ethernet Cable

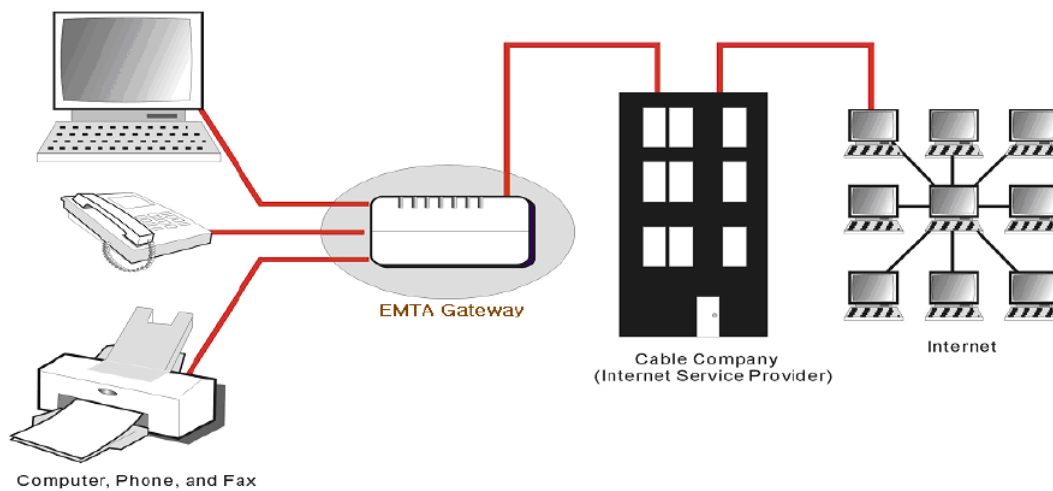
## POWER SUPPLY

- 12 V DC
- 2 A
- 24 W

## FRONT AND REAR PANEL



## CONNECTION EXAMPLE



## SPECIFICATIONS

CABLE CERTIFICATIONS	
Data	EuroDOCSIS® 3.0 certified
Voice	EuroPacketCable 1.5 certified
CMTS Interoperability	EuroDOCSIS/DOCSIS CMTS
RECEIVER SPECIFICATIONS	
Downstream Modulation	QAM 64/256
Downstream Frequency Range	108-1002 MHz
Max. Downstream Data Range	880 Mbps (theoretical) (55.61 Mbps x 16 Channels)
Capture Windows	Full Band Capture: Possibility to have any of the 16 Downstream Channels over the full EuroDOCSIS Spectrum
No. of Downstream Channels	Up to 16
Input Signal Level Range	-15 dBmV / + 15 dBmV

<b>TELEPHONY SPECIFICATIONS</b>	
Audio Codecs	PCM A-law, PCM $\mu$ -law, G.729, G.729a, G.729e, G.728, iLBC and BV16
Multiline Phone Support	Two Phone Lines, Three Party Conference Calls, Supports two complex Voice Codecs simultaneously
Fax Relay	T.38
Caller ID	Type I and Type II
CLASS Features	Basic and extended CLASS Features
Echo Cancellation	G.165, G.168 up to 16 ms
Packet Tone	DTMF Generation/Call Progress Generation / Custom Tone Generation
Call Discrimination	Fax and Modem Detection
Telephony Interface Capabilities	Loopback and on demand Diagnostics
RFC 2833 DMTF Tone Relay	Enabled / disabled via SNMP
REN	5 REN
PacketCable Protocols	PacketCable NCS, Network based Call Signalling Protocol (PKT-SP-EC-MGCP), SIP protocol by software upgrade
<b>TRANSMITTER SPECIFICATIONS</b>	
Upstream Modulation	QPSK, 8, 16, 32, 64 and 128 QAM
Upstream Frequency Range	5-65 MHz
Max. Upstream Data Range	131 Mbps (32.78 Mbps x four Channels)
No. of Upstream Channels	Four
Channel Bandwidth	200,400, 800 kHz, 1.6,3.2 and 6.4 MHz
Output Impedance	75 Ohm
<b>HARDWARE SPECIFICATIONS</b>	
Interfaces WAN	1 RF Connector F-Type
Interfaces LAN	Four Port Auto-MDI/MDI-X 10/100/1000 Base-T Ethernet LAN switch (RJ-45) Wi-Fi IEEE 802.11n 2.4 GHz on board Wi-Fi IEEE 802.11ac 5.0 GHz on board Two FXS POTS Ports (RJ-11), 1 USB 2.0 Master Port
Interfaces other	Power Button, WPS Button, Reset Button
Power supply	120-240 VAC, 50-60 Hz
Operating temperature	0-40 C
Operating humidity	2-90 % non condensing
Storage temperature	-20-70 C
<b>SOFTWARE SPECIFICATIONS</b>	
Multiple client support	254
Class of Services	32 DSIDs and 32 Service Flows
Security	BPI+
HTTP server	
<b>WIRELESS SPECIFICATIONS</b>	
Full dual Band Concurrent Wi-Fi Access Points, Wi-Fi certified	
2.4 GHz 2x2 IEEE 802.11n AP	
5.0 GHz 3x3 IEEE 802.11n AP	
WPA(2)-Personal Support of Temporal Key Integrity Protocol	
IEEE802.1x Port-based Authentication with RADIUS Client	
Security and Service Segregation per SSID	
Wi-Fi Hotspot Functionality with SoftGRE Standard	
Dynamic rate switching for optimal wireless rates	