Cable Modem Termination System (CMTS)

A Cable Modem Termination System (CMTS) allows the professional feeding of IP services into small cable networks and is also suitable for the hospitality sector. Via downstream and upstream channels DOCSIS2.0 or DOCSIS3.0 modems are supplied.

Benefits at a glance:

- ✓ **Feeding in internet services in small cable systems**
- ✓ **According to DOCSIS and EuroDOCSIS 3.0 / 2.0***
- ✓ **Web-based configuration**
- ✓ **Supports SNMPv1, v2c, v3**
- ✓ **19" housing, 1RU**
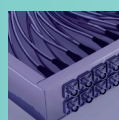
*Suitable cable modems on request

Available devices:

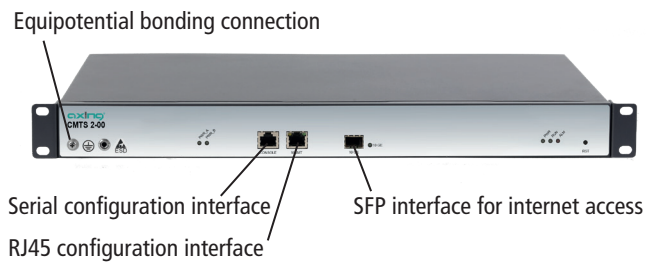|	
CMTS 2-00	Cable Modem Termination System
	32 downstream channels
	8 upstream channels
	1600 Mbps in the downstream
	240 Mbps in the upstream
CZU 2-00	Additional power supply unit CMTS 2-00
	For use as redundant power supply
BZU06585	Diplexer 65/85 MHz
	Splitting or merging of
	upstream and downstream
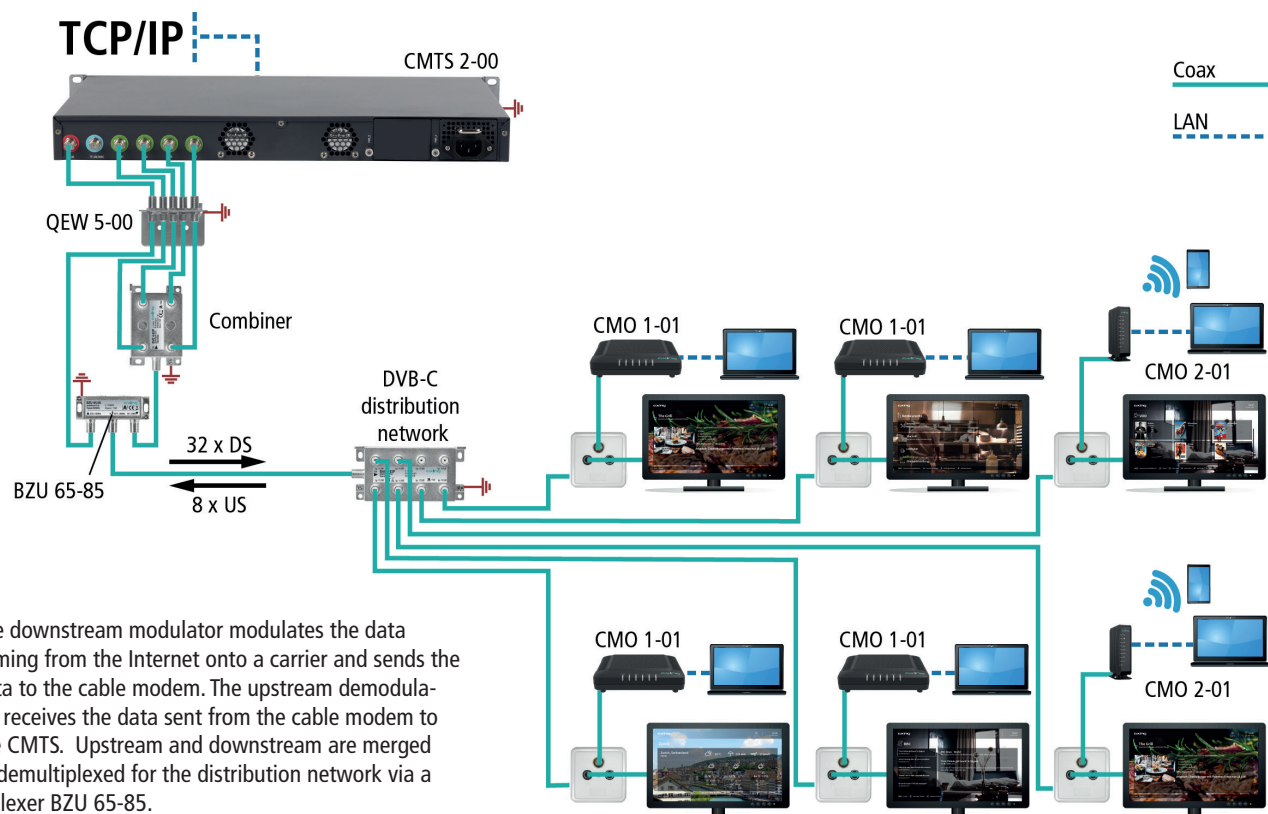
The downstream modulator modulates the data coming from the Internet onto a carrier and sends the data to the cable modem. The upstream demodulator receives the data sent from the cable modem to the CMTS. Upstream and downstream are merged or demultiplexed for the distribution network via a diplexer BZU 65-85.
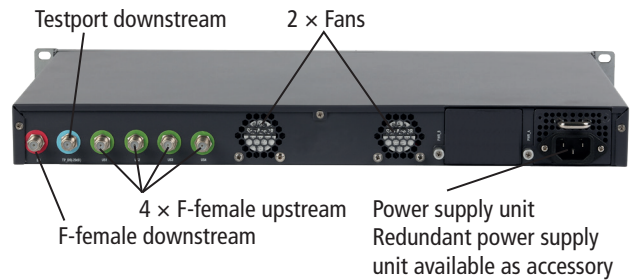
Front

Equipotential bonding connection

Serial configuration interface

RJ45 configuration interface

SFP interface for internet access

Rear

Testport downstream

2 × Fans

4 × F-female upstream

F-female downstream

Power supply unit
Redundant power supply
unit available as accessory

Type	CMTS 2-00
Max. number of modems in the network	1000
Downstream	
Number of channels	32
Data rate	1600 Mbps
Frequency range	87…1002 MHz
Channel bandwidth	6 MHz / 8 MHz
Modulation	QAM64, QAM256
Output level	40 dBmV = 100 dBμV @ 32 chs 43 dBmV = 103 dBμV @ 16 chs 46 dBmV = 106 dBμV @ 8 chs 49 dBmV = 109 dBμV @ 4 chs 52 dBmV = 112 dBμV @ 2 chs 55 dBmV = 115 dBμV @ 1 ch
MER	≥39 dB @ Equalizer off ≥43 dB @ Equalizer on
Upstream	
Number of channels	8
Data rate	240 Mbps
Frequency range	5…65 MHz
Channel bandwidth	1.6 MHz / 3.2 MHz/ 6.4 MHz
Output level	-7...+23 dBmV @ 6.4 MHz -10...+20 dBmV @ 3.2MHz -13...+17 dBmV @ 1.6MHz
Demodulation	QPSK, QAM16, QAM32, QAM64
Connectors	
Connector type	F-female
Return loss	≥12 dB
Interfaces	
Internet	1 × 10GE SFP+
Configuration interface	1 × RJ45, IEEE 802.3ah, 1000 Base-T 1 × Serial, 115200 bps
General	
Operation voltage	90…264 VAC | 47…63Hz
Power consumption	70 W
Operating temperature range	0…+40°C
Operating humidity (non-condensing)	10…90%
Dimensions (W × H × D) appr.	483 mm × 44 mm × 300 mm
Weight	4.80 kg