

## CMTS 2-00 Cable Modem Termination System



- ✓ Feeding in Internet services in small cable systems
- ✓ According to DOCSIS and EuroDOCSIS 3.0 / 2.0
- ✓ 32 downstream channels
- ✓ 8 upstream channels
- ✓ 1600 Mbps in the downstream
- ✓ 240 Mbps in the upstream
- ✓ Web-based configuration
- ✓ Supports SNMP
- ✓ 19" housing, 1RU
- ✓ Suitable cable modems on request

### Order information

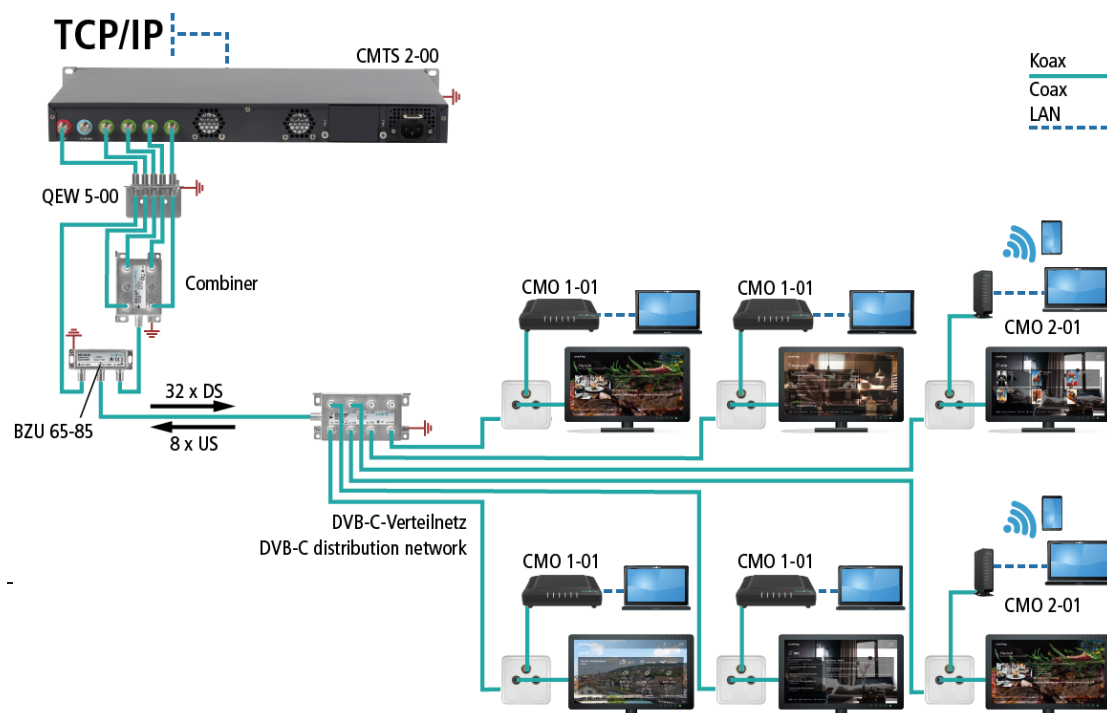
|                          |               |
|--------------------------|---------------|
| Type                     | CMTS 2-00     |
| Order no.                | CMTS00200     |
| GTIN                     | 7611682007206 |
| PE                       | 1             |
| VE                       | 1             |
| EU customs tariff number | 85176200      |



### Technical data

|                                      |                                                                                                                                                                                   |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Max. number of modems in the network | 1000                                                                                                                                                                              |
| <b>Downstream</b>                    |                                                                                                                                                                                   |
| 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<br>43 dBmV = 103 dBμV @ 16 chs<br>46 dBmV = 106 dBμV @ 8 chs<br>49 dBmV = 109 dBμV @ 4 chs<br>52 dBmV = 112 dBμV @ 2 chs<br>55 dBmV = 115 dBμV @ 1 ch |
| MER                                  | ≥39 dB @ Equalizer off<br>≥43 dB @ Equalizer on                                                                                                                                   |
| <b>Upstream</b>                      |                                                                                                                                                                                   |
| 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<br>-10...+20 dBmV @ 3.2MHz<br>-13...+17 dBmV @ 1.6MHz                                                                                                     |
| Demodulation                         | QPSK, QAM16, QAM32, QAM64                                                                                                                                                         |
| <b>Connectors</b>                    |                                                                                                                                                                                   |
| Connector type                       | F-female                                                                                                                                                                          |
| Return loss                          | ≥12 dB                                                                                                                                                                            |
| <b>Interfaces</b>                    |                                                                                                                                                                                   |
| Internet                             | 1 × RJ45, IEEE 802.3ah, 1000 Base-T<br>1 × SFP (GPON/EPON/GE ONU)                                                                                                                 |
| Configuration interface              | 1 × RJ45, IEEE 802.3ah, 1000 Base-T<br>1 × RJ45, IEEE 802.3ah, 100 Base-T                                                                                                         |
| <b>General</b>                       |                                                                                                                                                                                   |
| Operating 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                               | 4.800 kg                                                                                                                                                                          |

## Example of use



## Suitable products

CMO 1-01 DOCSIS/EuroDOCSIS cable modem  
CMO 2-01 DOCSIS/EuroDOCSIS cable modem | WiFi  
BZU 65-85 Diplexer 65/85 MHz  
CZU 2-00 Additional power supply unit CMTS 2-00