OTX 1550-10 Optical, direct modulated CATV transmitter | 1550 nm | 47 ... 1006 MHz

- ✔ Converts incoming RF signals into optical signals
- ✔ Frequency range 47 ... 1006 MHz
- ✔ Two inputs with 50 dB isolation for high-quality RF feed-in
- ✔ Optical wavelength 1550 nm
- ✔ Optical output power 10 dBm
- ✔ Electronic compensation of fibre dispersion
- ✔ Transmission distance up to 50 km
- ✔ Optical connection SC/APC
- ✔ Two redundant power supplies
- ✔ 19″ housing, 1RU

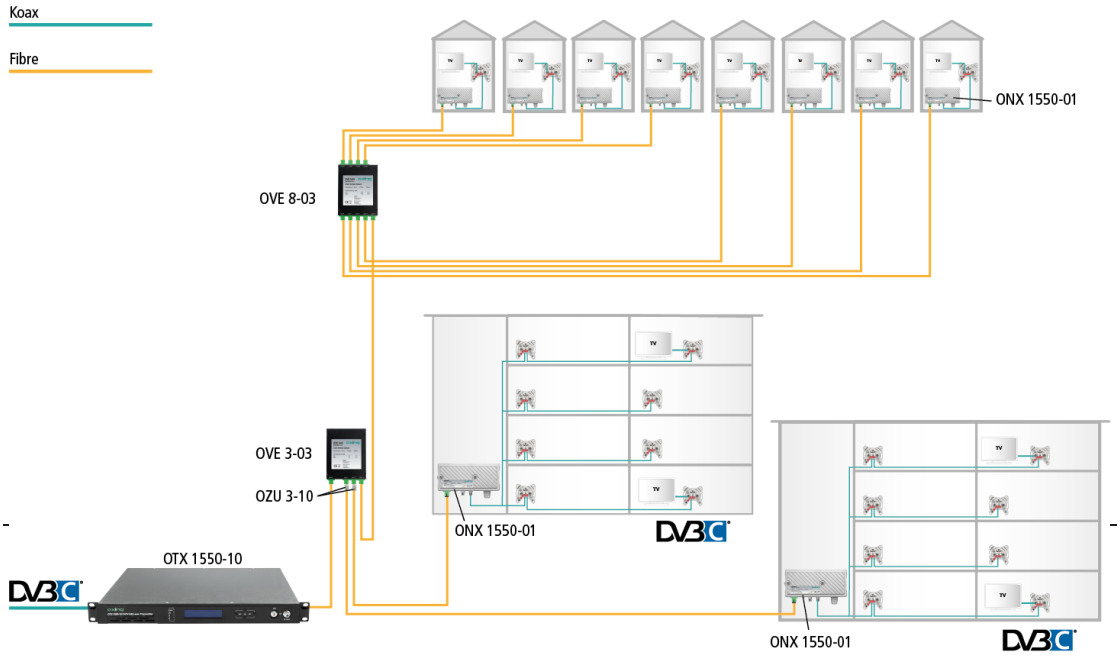
Order information

Type	OTX 1550-10
Order no.	OTX155010
GTIN	7611682009774
PE	1
VE	1
EU customs tariff number	85176200

Technical data

Inputs	
Number	2
Frequency range	47 … 1006 MHz
Input level	77 dBµV ±5 dB
AGC level dynamics	±5 dB
Test ports	2
RFoG	
Wavelength	1550 nm
Number of optical outputs	1
Connector type	SC/APC
Output level	+10 dBm
MER	≥ 40 @ 25 km, –1 dBm input, 96 chs digital 77 dBµV/ch ≥ 39 @ 50 km, –1 dBm input, 96 chs digital 77 dBµV/ch
Laser class	1M
Interfaces	
Ethernet connectors	1 × RJ 45
Ethernet standards	IEEE 802.3, 100 Base-T
Supported configuration protocols	HTTP
General	
Operating temperature range	–5 … +55 °C
Operating voltage	100 … 260 VAC/50 … 60 Hz
Power consumption	< 10 W
Dimensions (W × H × D) appr.	480 × 43 × 395 mm
Weight	4.500 kg

Example of use



Suitable products

ONX 1550-01 Micro Fibre Node | 1550/1310 nm | 85…1218 MHz/5…65 MHz
OMX 1513-01 Optical de-/multiplexer 1310/1550 nm
ORX 1310-00 Four-way Upstream Optical Receiver | 1310 nm | 5 ... 204 MHz