

# Optopus Optical Transmitter LX 10



Product information



## **Applications**

- High performance supertrunking links
- High power distribution networks
- Redundant ring architectures
- FTTx networks
- RFoG applications
- SAT-IF transport

## **Features:**

- External modulated transmitter
- Dual optical outputs
- QAM loading to 1006 MHz
- Redundant & hot swappable power supplies
- Management via web interface and SNMP
- Field adjustable SBS suppression

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## Monitoring interfaces

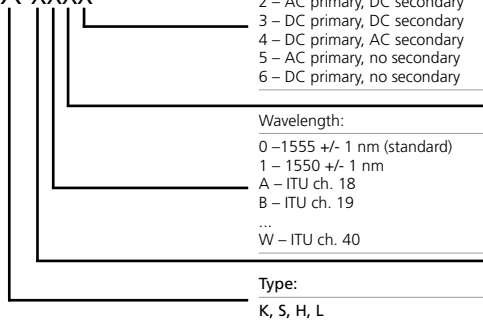
- 100 Base-T Ethernet (SNMP)
- Front Panel Display
- Rear Panel RS-232 interface
- Web interface

Type	LX 10 K	LX 10 S	LX 10 H	LX 10 L
Wavelength	1555 +/-1 nm (ITU-grid available on request)			
Specified link length	40 km	65 km	80 km	25 km
<small>In combination with additional EDFA</small>				
Optical output power	7.0 / 7.0 dBm	7.0 / 7.0 dBm	7.0 / 7.0 dBm	8.5 / 8.5 dBm
SBS suppression	≥ 21.0 dBm	≥ 16.0 dBm	≥ 18.0 dBm	≥ 14.0 dBm
Carrier to noise ratio	≥ 48.6 dB	≥ 53.0 dB	≥ 52.0 dB	≥ 51.0 dB
Signal performance (37 analog, 50 digital)				
CSO/CTB	≥ 70.0 dBc			
Input level	78 dBμV (PAL-Level) / 87 dBμV (SAT-IF)			
Front panel RF gain / OMI adjustment range	+2 / -4 dB from nominal setting			
CATV frequency range	47 MHz ... 1006 MHz			
CATV flatness	± 0.50 dB (47 MHz ... 550 MHz) ± 0.75 dB (47 MHz ... 1006 MHz)			
CATV electrical return loss	≥ 16 dB (47 MHz ... 1006 MHz)			
CATV RF test point	- 20 ± 1 dB			
SAT-IF frequency range	-	-	-	950 MHz ... 2800 MHz
SAT-IF flatness	-	-	-	± 2 dB
SAT-IF electrical return loss	-	-	-	≥ 10 dB (950 MHz ... 2800 MHz)
SAT-IF test point	-	-	-	7 ± 62.5 dBμV/Ch @ 1 % OMI/Ch
<b>General data</b>				
Connector type				
Optical	SC/APC (other styles available on request)			
RF	F (75 Ohm)			
EMI standard	EN50083-2			
Safety standards	IEC 60950-1; IEC 60728-11; Laser IEC 60825-2			
Operating temperature range	0 °C ... 50 °C (ETSI EN 300 019-1-3 Class 3.2)			
Supply voltage	48 VDC or 230 VAC			
Power consumption	≤ 65 W			
Dimensions (WxHxD)	483 mm x 45 mm x 381 mm			
CNR test configuration	EDFA	21 dBm	16 dBm	18 dBm
	Link	40 km	65 km	80 km
	Received Power	-5.6 dBm	0 dBm	0 dBm

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## Order information

LX 10 X xxxx



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### Output:

- 0 – Rear SC/APC
- 1 – Rear FC/APC
- 2 – Rear E2000/APC
- 3 – Rear LC

### Output Power:

7, 8, 9, A (=10), B (=10/10)



Not all configurations are possible.  
Please contact your WISI sales representative for assistance.

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