



Optical transmitter 4 SAT + TERR

OT17/1FEC-4

Technical specifications

(preliminary, updated 10/2018)



Inputs	17 x F-connector (16 x SAT, 1 x TERR)
Inputs – Frequency Range	SAT 950 – 2150 MHz, TERR 47 – 862 MHz
Outputs	1 optical (SC/APC)
Optical output power	3 dBm
Optical wavelength	1270 – 1570 nm
Current consumption	1100 mA (12 V DC)
Dimensions	18,5 x 14,5 x 9,0 cm
Temperature Range	-25 – +50 °C
Housing material	Aluminium

Optical receiver 4 SAT + TERR

OR1/17FUC-4

Technical specifications

(preliminary, updated 10/2018)

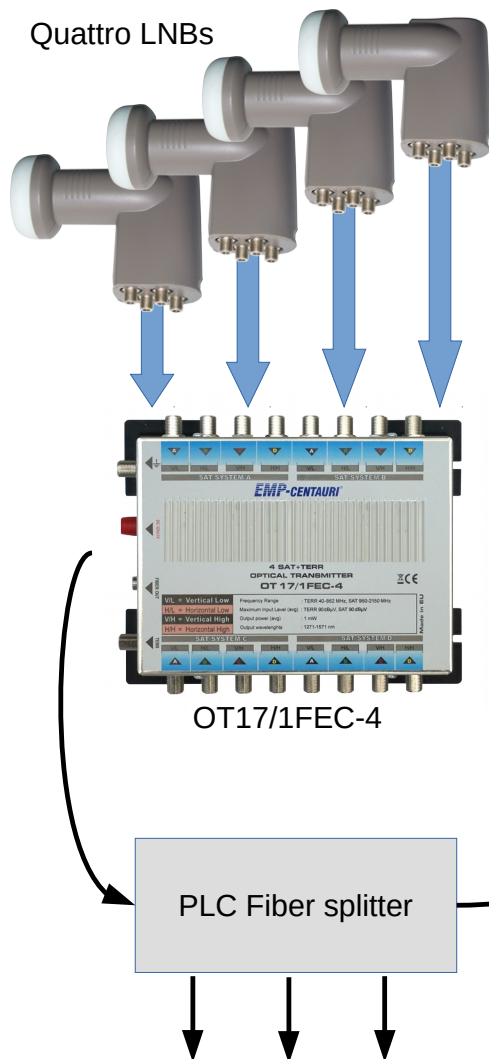


Inputs	1 optical (SC/APC)
Input power range	-15 dBm to +5 dBm
Optical wavelength	1270 – 1570 nm
Outputs	17 x F-connector (16 x SAT, 1 x TERR)
Outputs – Frequency Range	SAT 950 – 2150 MHz, TERR 47 – 862 MHz
Current consumption	150 mA (12 V DC)
Dimensions	18,5 x 14,5 x 5,5 cm
Temperature Range	-25 – +60 °C
Housing material	Aluminium

RF Signal level considerations

(figures estimated on basis of test measurements with optical attenuators)

Optical link configuration	Recommended input level		RF gain / loss
	Min	Max	
Transmitter – receiver direct connection	44 dBuV	85 dBuV	10 dB (gain)
Transmitter – 2way splitter - receiver	48 dBuV	88 dBuV	2 dB (gain)
Transmitter – 4way splitter - receiver	53 dBuV	90 dBuV	-3 dB (loss)
Transmitter – 8way splitter - receiver	58 dBuV	90 dBuV	-10 dB (loss)
Transmitter – 16way splitter - receiver	64 dBuV	91 dBuV	-18 dB (loss)
Transmitter – 32way splitter - receiver	70 dBuV	91 dBuV	-23 dB (loss)



Recommended usage

