



Fiber4Sat: CWDM Optical Transmitter 1510 / 1530 / 1550 / 1570

Four satellites and the whole DTT over a single optical fiber

Transmitter. The device receives the signal from 4 optical LNBs and distributes it, over a single optical fiber, to the different users, using the CWDM transmission technique.

Ref. 237902

Logical ref. OC4S

EAN13 8424450201664

Packing

Box 1 pcs.

Physical data

Net weight 1,970.00 g

Gross weight 2,900.00 g

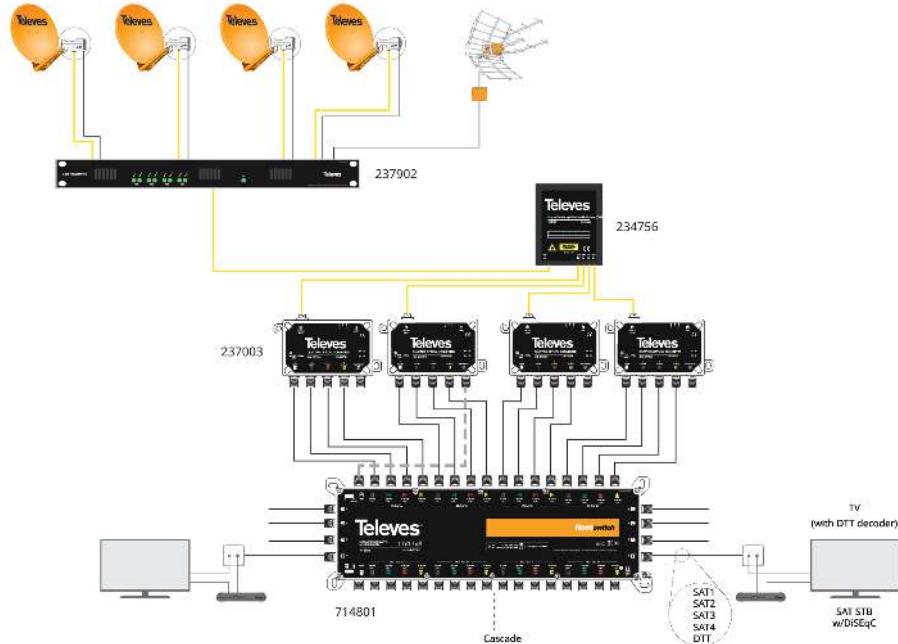
Highlights

- 4 Satellites + DTT/QAM
- 16 Polarities on a single fiber
- Higher distribution distance
- Smaller signal losses
- Higher bandwidth
- Rack mounting
- Easy installation

Main features

- Four complete satellites + RF (DTT/QAM) over a single fiber
- CWDM based transmission (Coarse Wavelength Division Multiplexing)
- Allows the powering of all 4 LNBs

Application example



Technical specifications

OPTICAL INPUTS		
Inputs number		4
Maximum optical power	dBm	+3
Power self-regulation range	dBm	-5...+3
Bandwidth		1100...1650
Optical connectors	type	SC/APC
OPTICAL OUTPUT		
Outputs number		1
Wavelengths at the output connector	nm	1510 / 1530 1550 / 1570
Optical power for each wavelength	dBm	6
Output optical connector	type	SC/APC
RF INPUT		
Connector	type	F
Impedance	Ohm	75
Bandwidth	MHz	47...862
Self-controlled input range	dB μ V	75...90
GENERAL		
Voltage	Vac	110 - 230
Frequency	Hz	50/60
Maximum input power consumption (when powering 4 LNBs)	mA	700
Input voltage at F connectors for satellite power supply	Vdc	12
Maximum current in F connectors for satellite power	mA	500
Operating temperature	°C	-5...45
Protection index	PI	20