



DWDM optical Multiplexer 4 inputs: Ch31/Ch32/Ch33/Ch34 – 1 output + PSU

Optical Multiplexer component for full 4-satellite applications with integrated power supply. This device receives the satellite and terrestrial signal from 4 optical transmitters at wavelengths Ch31 (1552.52 nm) / Ch32 (1551.72 nm) / Ch33 (1550.92 nm) / Ch34 (1550.12 nm), multiplexes them and sends them over a single using the DWDM technique. It also includes 4 power outputs to provide energy to the transmitters used in the solution.

Ref.	234751
Logical ref.	ODWDM4SPSU
EAN13	8424450315408

Packaging info

Box	1 pcs.
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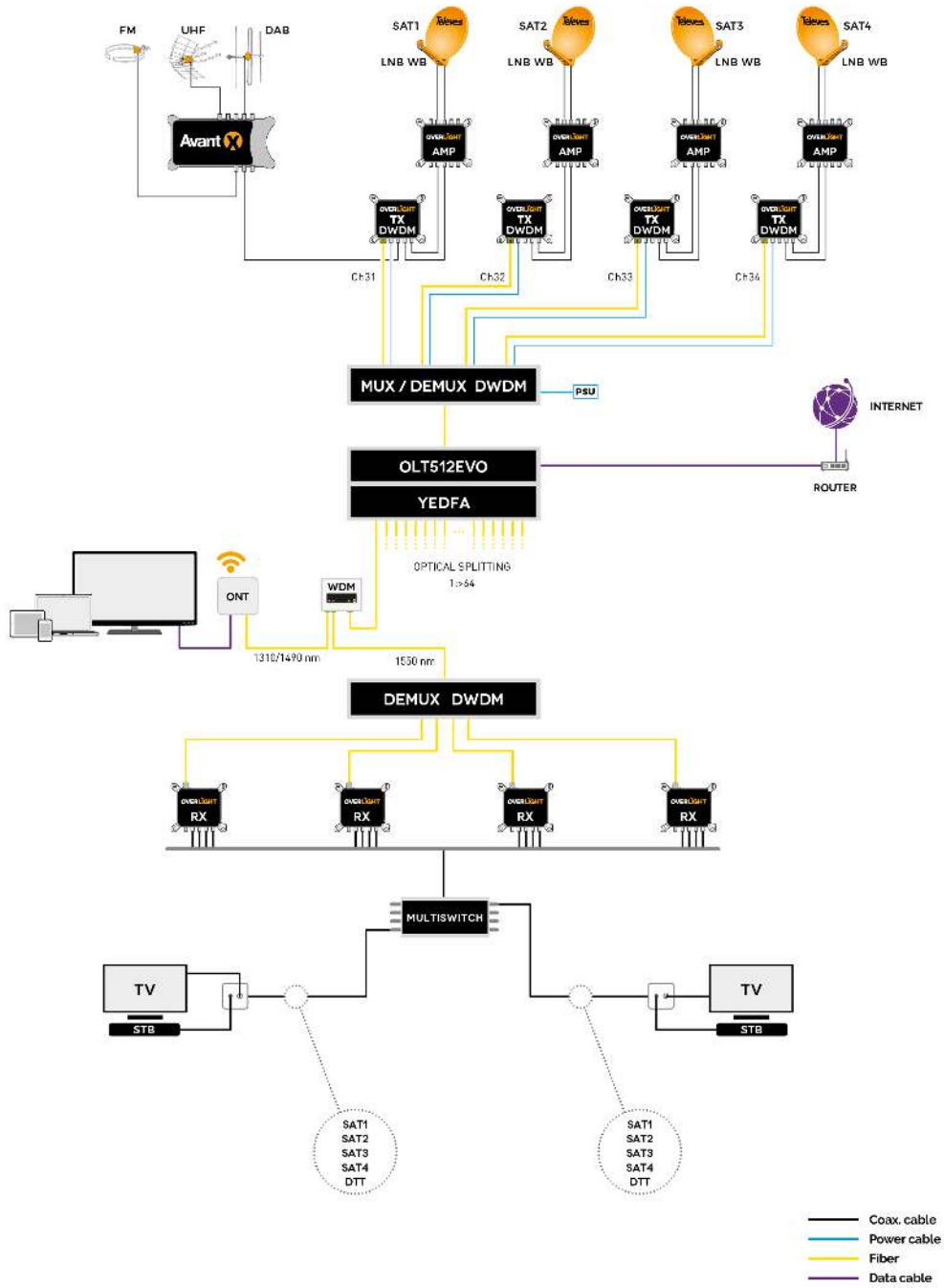
Physical data

Net weight	1,700.00 g
Gross weight	2,360.00 g
Width	483.00 mm
Height	44.00 mm
Depth	230.00 mm
Main product weight	1,532.00 g

Highlights

- DWDM (Dense Wavelength Division Multiplexing) technology
- Compatible with Overlight Series transmitters for 4-satellite and terrestrial TV transmission solutions for more than 64 users through a single optical fiber (amplification required)
- Includes 4 power outputs to provide energy to transmitter devices
- Higher distribution distance
- Smaller signal losses
- Higher bandwidth
- Designed for indoor installation
- 100% European design, quality, and manufacturing
- SC/APC optical connectors
- F-type connectors
- Rack mounting

Application example



Technical specifications : Ref. 234751

Number of inputs					4
Number of outputs					1
Optical inputs		IN1	IN2	IN3	IN4
Wavelength	nm	1552.52	1551.72	1550.92	1550.12
Optical channel		31	32	33	34
Insertion losses	dB	< 1.3	< 1	< 0.75	< 0.5
Max. optical power	dBmW	26.9	26.9	26.9	26.9
Channel passband	nm	1552.3 ... 1552.74	1551.5 ... 1551.94	1550.7 ... 1551.14	1549.9 ... 1550.34
Insertion losses	dB				1.8
Channel spacing	nm				0.8
Isolation between adjacent channels	dB				28
Isolation between non-adjacent channels	dB				40
Optical return losses	dB				45
Directivity	dB				50
Polarization loss (PDL)	dB				0.15
Connectors					"F" female
Optical connectors					SC/APC
PSU input voltage	Vac				110 ... 230
Mains frequency					50 Hz / 60 Hz
Max. power consumption	W				74
Current consumption	mA				< 1200
Powering per output	Vdc				12
Max. output current	mA				1100
Operating temperature	°C				-5 ... 45
Protection index (IP)					20

Max. output current CH34: 1500 mA