

TXWDM_e

Fibre Optic transmitter



Multi-wavelength system



Optical input with integrated CWDM



Wide Band LNB inputs



SAT inputs with A.G.C.



Supplied with power supply



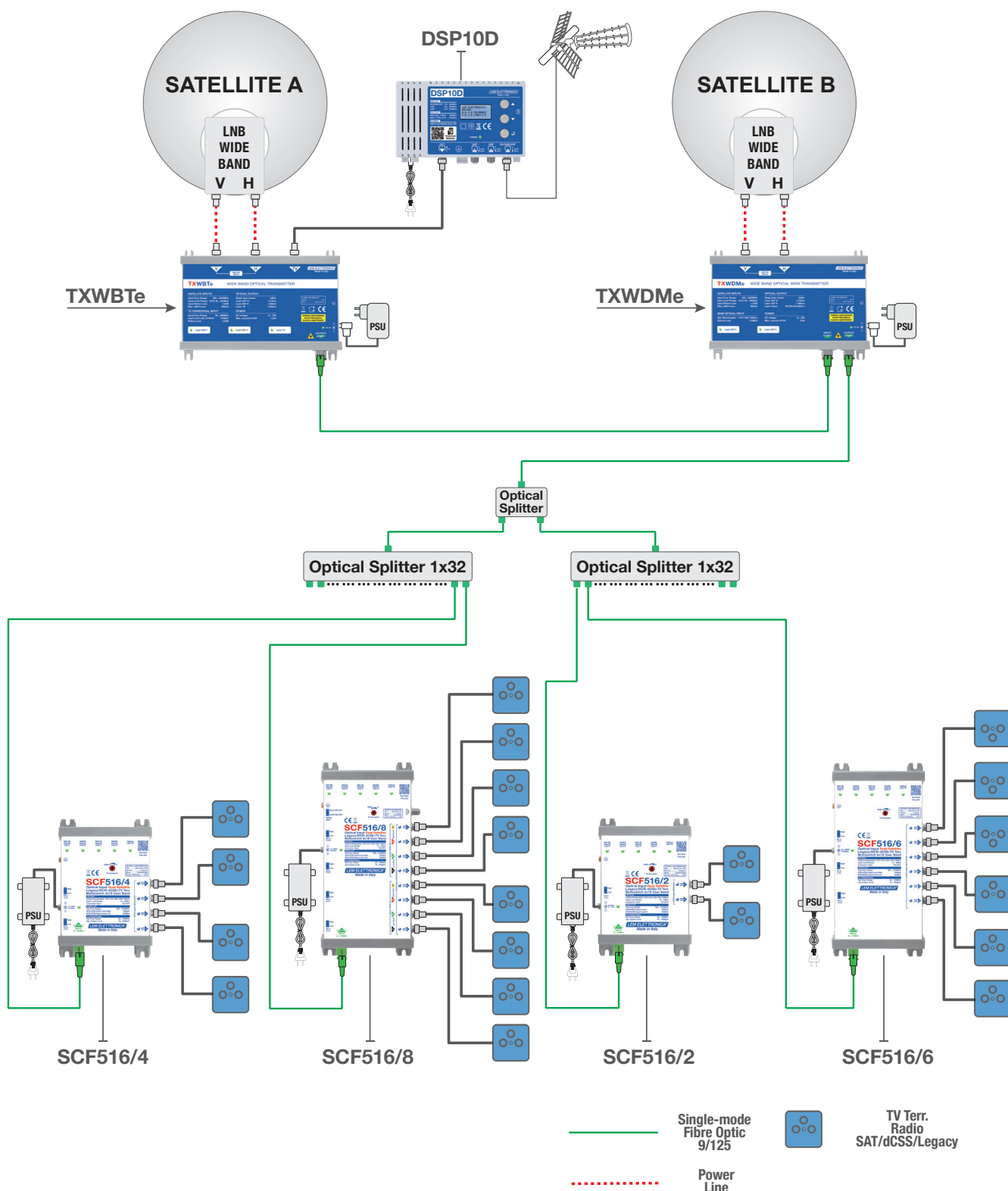
Two-wavelength optical transmitter with integrated **CWDM** input. Suitable for use in combination with a **TXWBTe** or **TXWBe** transmitter to enable the distribution of two satellite orbital positions over a single single-mode optical fiber.

Ready for
UHD TV

WARRANTY **5** YEARS

MODEL		TXWDM _e
RF INPUTS	n°	2
OPTICAL OUTPUT	n°	1
OPTICAL LOOP THROUGH (for TXWBT or TXWB)	n°	1
OPTICAL		
OUTPUT WAVELENGTH	nm	1.270 - 1.490
LASER TYPE		UN-COOLED MULTI QUANTUM DFB
LASER CLASS		1M, EN 60825-1
OUTPUT POWER	dBm	6
INPUT WAVELENGTHS LOOP THROUGH	nm	1310 - 1330 - 1550
INPUT CONNECTOR		SC/APC
OUTPUT CONNECTOR		SC/APC
RETURN LOSS	dB	>40
SATELLITE		
INPUTS BANDWIDTH	MHz	250... 2.400
INPUT RANGE LEVEL	dBμV	70... 90
A.C.G. RANGE	dB	20
INPUT RETURN LOSS	dB	>12
LNB REMOTE FEEDING		4,50W (15VDC/300mA)
OTHERS		
DC INPUT VOLTAGE	V	12... 20
MAX. POWER CONSUMPTION WITHOUT EXTERNAL LOAD	W	2,4
MAX. POWER CONSUMPTION WITH EXTERNAL LOAD	W	6,9
SHORT-CIRCUIT PROTECTION		ONLY SAT INPUT
DIMENSIONS	mm	146x200x38
OPERATING TEMPERATURE	°C	0... +50

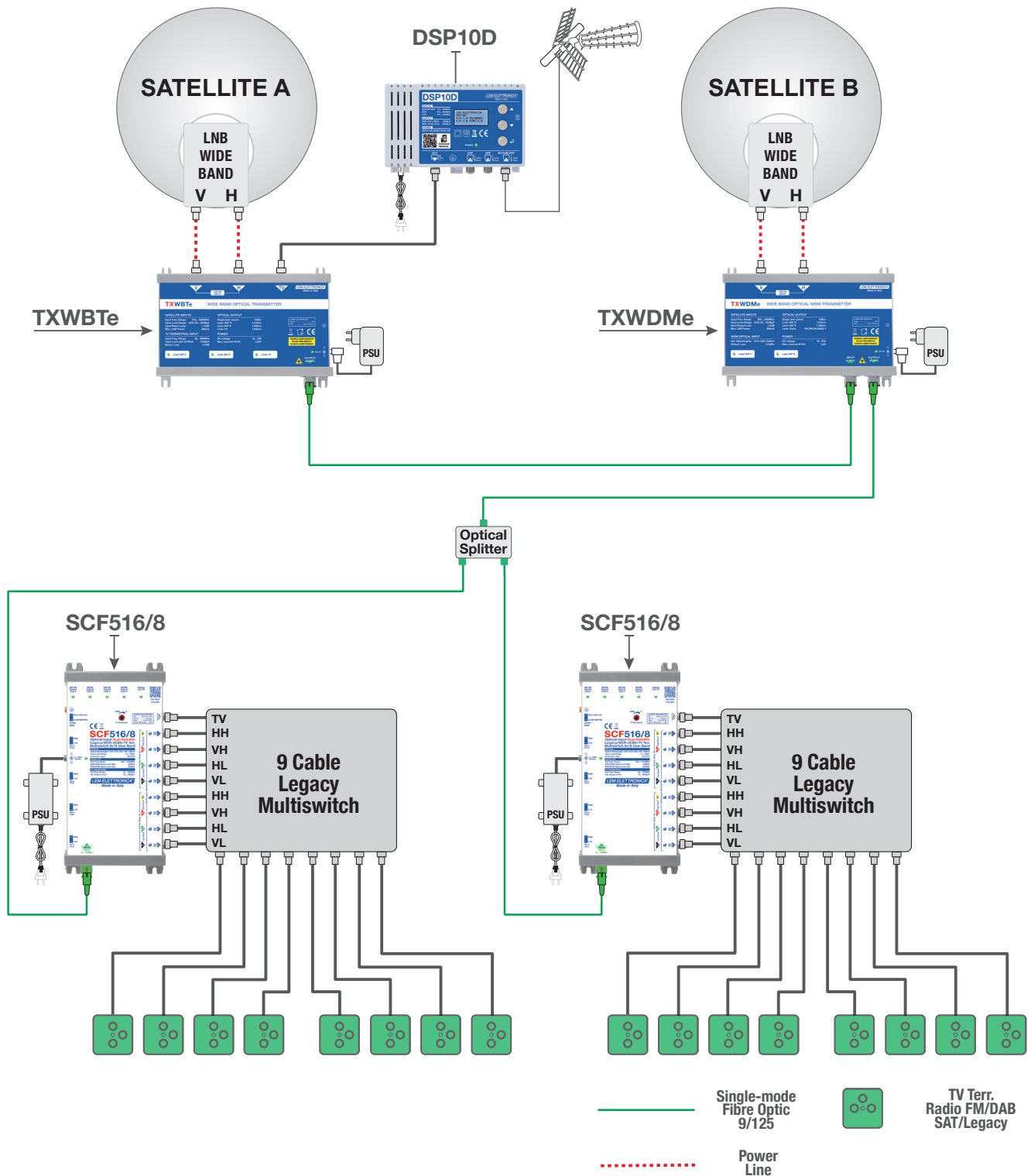
Connection Diagram



Distribution of two satellite and terrestrial feed (DTT, FM, DAB) over a single-mode optical fibre

The headends **TXWBTe** and **TXWDMe** convert and transmit over a single-mode fibre optical cable the terrestrial feeds and all the transponders of two satellite received from two Wide Band LNB. The optical multiswitches of the SCF516 series receive and converted into RF to be ready for a single or multi-dwelling coaxial distribution. Each **SCF516** series multiswitch output provides terrestrial and satellite signals and fully supports Diseqc controls in legacy and SCR/dCSS standards.

Connection Diagram



SCF516/8 set to Distribution of two satellites and terrestrial feed (DTT; FM; DAB) over a single-mode optical fibre to a standard dual nine wire multiswitch for further distribution via coaxial cable.

The headends **TXWBTe** and **TXWDMe** convert transmit over a single-mode fibre optical cable the terrestrial feeds and the transponders of two satellites received from two Wide Band LNB. The optical signals are received by the optical converter **SCF516/8** set to be a virtual dual LNB Quattro. The dual Quattro and the terrestrial outputs can feed any nine wire multiswitch.