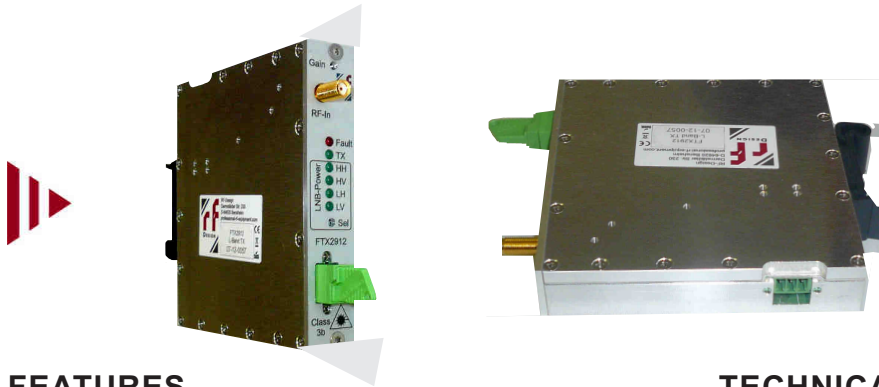# FTX2912

Stand-Alone Optical Transmitter Module

The FTX2912 represents a a stand-alone optical transmitter module designed for easy din-rail mount installation, e.g directly at the antenna location (indoor). It is housed into solid-state aluminum and assures stable RF distribution over long distances via optical fiber. The unit features adjustable gain and LNB-supply. The FTX2912 is an efficient stand-alone optical-transmitter solution for straight forward RF-over-Fiber transmission while the unit also is equipped with front-side status LED´s indicating Laser and LNB-supply status. The FTX2912 is perfectly suited for applications in Teleports, Satellite Earth-Stations, as well as Broadcasting and CATV/IPTV infrastructures.

FEATURES

- ➢ Stand-Alone optical transmitter module
- ➢ Space saving and robust din-rail mount design
- ➢ Perfect for usage directly at the reception side
- ➢ Front-side Laser monitoring status LED
- ➢ Adjustable gain (-10...+20dB), front-side
- ➢ Selectable LNB supply (13/15/18VDC, 22kHz, 400mA)
- ➢ Front-side LNB-supply status LED`s
- ➢ External DC connector

TECHNICAL SPECIFICATION

➢ **Dimensions:**	100 x 100 x 20mm
➢ **Housing:**	Solid-state aluminum
➢ **Power supply:**	15V DC
➢ **Power consumption:**	< 7W
➢ **Frequency range:**	950...2150MHz
➢ **RF-Input level:**	0dBm max.
➢ **Frequency response:**	±0,5dB typ. / ±1,0dB max.
➢ **Return loss:**	> -16dB
➢ **IMA3 @ -10dBm:**	< -60dBc
➢ **Input noise floor:**	> -133dBm/Hz
➢ **Spurious free dyn. range:**	109dB/Hz
➢ **Operation wavelength:**	1310nm
➢ **RF-connectors:**	50Ohm SMA(f) or 75Ohm F(f)
➢ **Optical connector:**	E2000 or SC/APC
➢ **Optical power:**	2dBm
➢ **Gain control:**	-10...+20dB
➢ **LNB-supply:**	13/15/18VDC, 22kHz, 400mA
➢ **Status LED´s:**	For Laser and LNB-supply
➢ **Operating temperature:**	0...45°C
➢ **Storage temperature:**	-20°C...70°C
➢ **Humidity:**	90% non-condensing