

DIGITAL NETWORK ADAPTER

TURN OLD ANALOG FM STATIONS INTO DIGITAL ONES

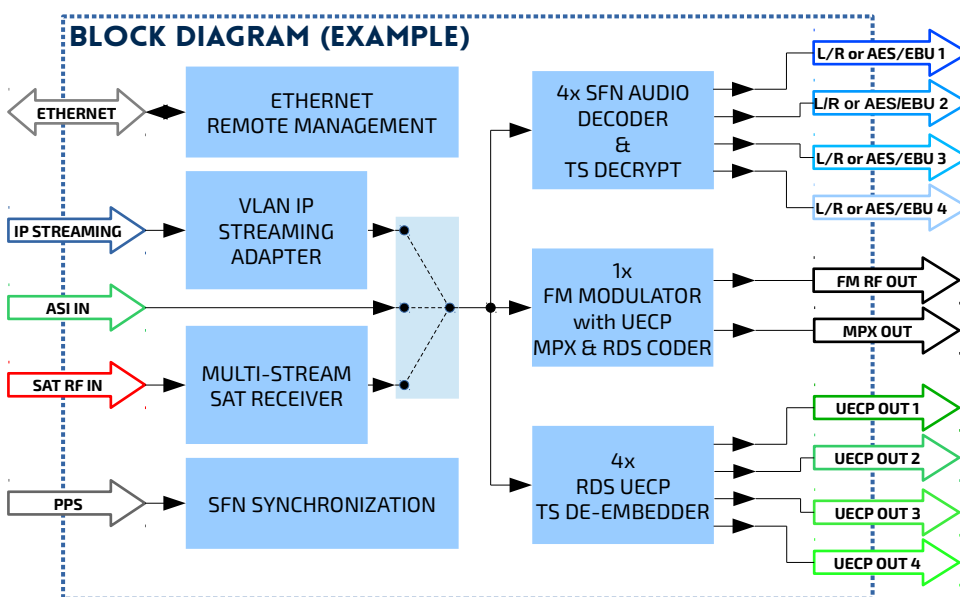


INNOVATE WITHOUT WASTING RESOURCES

The FM Digital Network Adapter by Tecnoroll allows the broadcasters to protect their past investments, keeping their sites operational while re-converting the existing transmitters to the latest digital technologies.

That's because the FM DNA is intended for the "retrofitting" of existing analog FM stations, converting them into FM digital distribution stations in a quick and easy way without having to get rid of the old analog stations and without having to invest in new and expensive full-digital ones.

In order to support the highest number of existing analog stations, whose configuration can vary quite a lot, we provide a wide range of inputs and outputs, which are compatible with most existing systems.



FULLY EMBEDDED

- Depending on hardware config.:
- FM digital modulator
 - RDS coder
 - MPX coder
 - UECP support
 - Multi-stream SAT receiver
 - SFN synchronization
 - VLAN IP streaming adapter
 - Up to 4 audio decoder
 - Up to 4 RDS, UECP TS deembedder
 - Ethernet remote management

I/O PORTS

INPUTS:

- Satellite dish (DVB-S/S2)
- IP streaming (VLAN, UDP, UDP + error correction)
- Direct ASI input
- GPS PPS for SFN synchronization

OUTPUTS:

- 0dBm RF FM modulated signal (embedded RDS coder, stereo coder, UECP demux)
- MPX 100 KHz modulated signal (embedded RDS coder, stereo coder, UECP demux)
- Up to 4 synchronous audio decoders (SFN)
- Up to 4 AES EBU digital audio out
- Up to 4 balanced analog audio out
- up to 4 UECP demultiplexed out

CONTROL SW

Thanks to the integrated control platform, the whole transmitter network can easily be managed and configured remotely from a single place.

