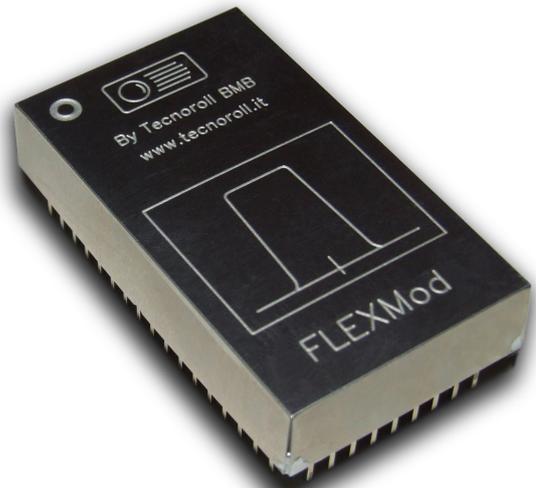


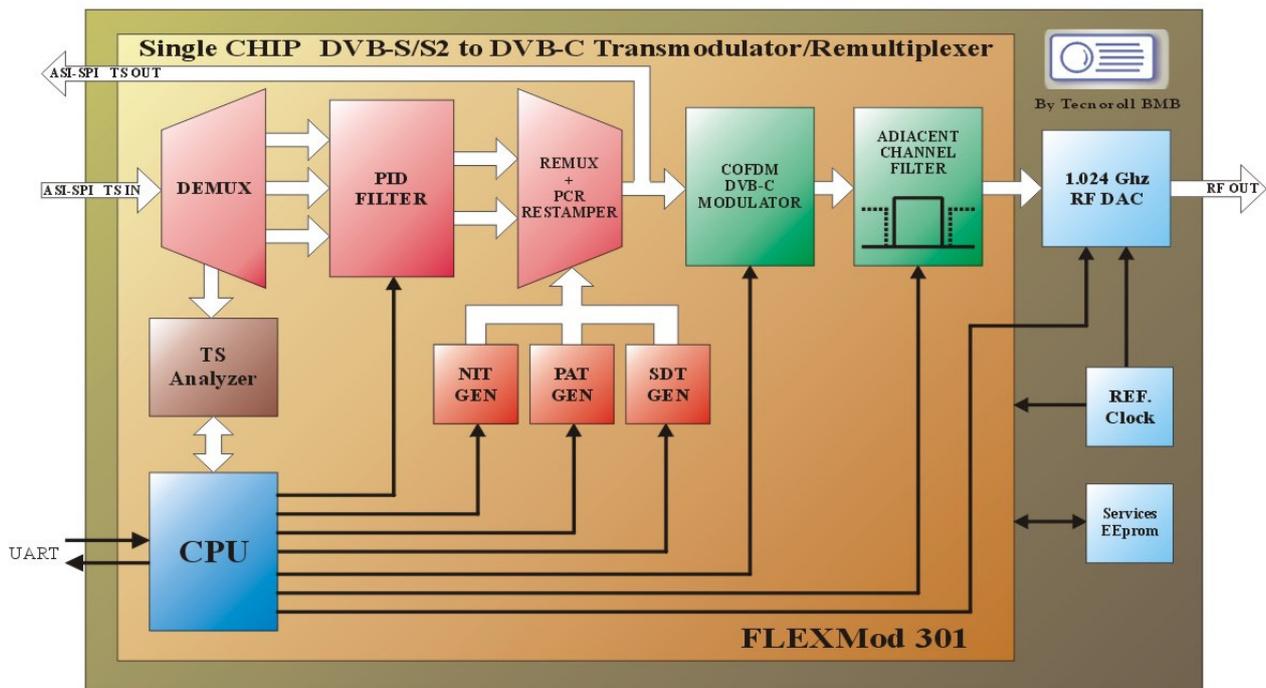
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FLEXMod 301

DVB-S/S2/T/T2 to DVB-C Transmodulator with embedded Mux



Distributed in Italy by:



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General Description

Fully automated DVB-C/C2/S/S2 to DVB-T uModule: this unit automatically converts the transport stream coming from a cable or a satellite tuner into a standard DVB-T RF signal.

System includes:

- ASI and SPI TS Inputs
- ASI and SPI TS Outputs
- Automatic recognition, analysis and Demultiplexing of the incoming services
- Visualization of the Input/Output TS bandwidth
- Selection and removal of the unwanted services
- QoS (Quality of Service) function for the selected services
- LCN (Logical Channel Number) Insertion for the selected services
- NIT (Network Information Table) insertion for a correct Bouquet generation
- Automatic service monitoring and PID tracking for the desired services
- SID (Service ID) Remapping for a correct Bouquet generation
- Embedded Remultiplexer for the DVB-T TS reconstruction
- PCR restamper for a correct timing reconstruction
- Non volatile memory for the system configuration
- Easy configuration through asynchronous serial port with high level commands
- No need for additional programming on power-up (once the unit is configured, it works in total autonomy)
- QAM Modulator : ITU-T J.83 Annex A/C, DVB-C (ETS 300 429)
- Enhanced digital filtering for improved adjacent channel packing
- Selectable RF power output up to -7dBm
- Frequency Range 0 - 500 MHz RF out through internal 1 GHz DAC
- Image signal 500 -850 MHz still usable for many applications

Modulator Specification

Modulation type:	QAM: ITU-T J.83 Annex A/C, DVB-C (ETS 300 429)
Constellation:	16, 64, 128, 256 QAM
Spectrum:	Normal / Inverted
PCR Restamper:	ON / OFF
Output Frequency:	0-500 MHz (Internal DDS)
Output Level:	-7 dBm typical
MER:	>43 dB typical
General Specifications	
Data Input/Output:	SPI / ASI
Power Supply:	3V3, 1V8, 1V2
Power Consumption:	2,5W
Board Temperature Range:	from 0 to 70° C
Storage Temperature Range:	from -20 to +85° C
Dimensions:	29 x 49,5 x 9,5 mm
Weight:	20 gr
Configuration:	Realtime Configuration through Serial Port (LVTTL)

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