

OEM Modulator Family

Multi-standard NetMod Modulator



Address new attractive markets with ENENSYS OEM design



NetMod broadcast modulator family is the state-of-the-art HW design, benefitting from **ENENSYS** 's years of experience in the Digital Broadcast Network Solutions design. **Available either as an OEM board or complete OEM 19" chassis (general form factor and Graphical User Interface customizable on demand), NetMod modulator family has been natively developed** to be easily and quickly integrated in any kind of platform, as well as designed **to support any kind of standard** (DVB-T/H, DVB-T2, DTMB and more).

Cost effective and high quality solution, it provides to transmitter manufacturers and system integrators a competitive solution for digital transmissions, being the perfect solution when facing overdemanding market in various standards.

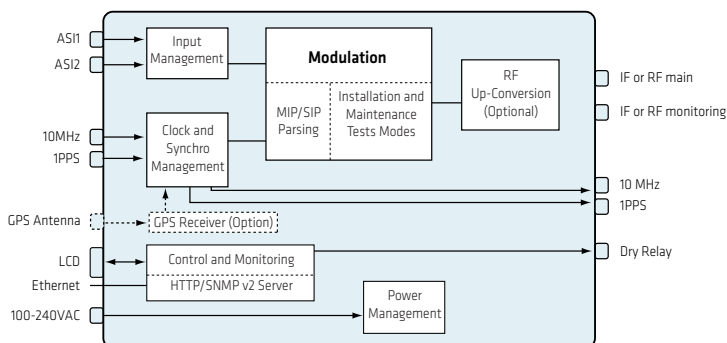
Applications

- Rebranded standalone modulator
- Transmitter exciter
- Mobile transmission for sports events
- Combined digital equipment needing a RF transmission

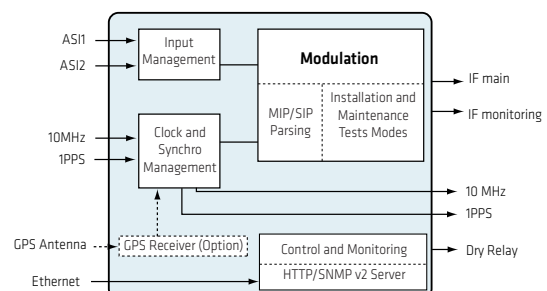
Key Points

- DVB-T/H, DVB-T2, DTMB or more Digital TV Broadcast
- Evolutive platform
- High grade IF or RF outputs
- Outstanding MER, phase noise and stability
- Intuitive and customizable Graphical User Interface
- SFN adaptation
- Linear and Non-Linear Digital Pre-Corrections (DPC)
- Fast and simple integration in NMS (SNMP V2)
- High quality internal clock

19" chassis



Board



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Board 19" chassis

Output interfaces

IF or RF Outputs	2 x SMA 50 Ω	
	20 MHz - 85 MHz (step 1 Hz) in IF	
	100 MHz - 870 MHz (step 1 Hz) in RF	
	0 to -30 dBm (step 0,1dB) in IF	
	+2 to -60 dBm (step 0,1dB) in RF	
MER	Over 45 dB in IF, over 42dB in RF in the whole band	
Shoulders	Over 55 dB	
10 MHz external clock	1 x MCX 50 Ω	1 x BNC 50 Ω
1PPS external clock	1 x MCX 50 Ω	1 x BNC 50 Ω

Input interfaces

Transport Stream inputs (ASI)	2 x MCX 50 Ω	2 x BNC 50 Ω
10 MHz external clock	1 x BNC 50 Ω	1 x BNC 50 Ω
1PPS external clock	1 x BNC 50 Ω	1 x BNC 50 Ω

Characteristics

Web (HTTP)	10/100 Base-T with customizable interface and full SNMP v2	
Height/Width/Depth (mm)	25/150/250 mm	43/440/283 mm
Power supply	+12v DC	100-240v AC

Ordering Information

Modulator	NetMod-RF (or IF) Board	NetMod-RF (or IF)
Optional internal GPS	NetMod-GPS	NetMod-GPS
Oscillator accuracy	TCXO or OCXO	TCXO or OCXO

The OEM NetMod platform offers various high grade features such as:

- MFN+SFN,
- Digital Pre-Correction (optimizing over all broadcast transmission),
- A set of configurable failover behavior to secure regular broadcast operations,
- Accurate internal oscillator,
- Built-in GPS receiver option, etc...

NetMod family is also featured with a set of test modes such as PRBS and MPEG stream generation, Single tone mode, Central carrier cancellation, that will make installation and maintenance much more easy.



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