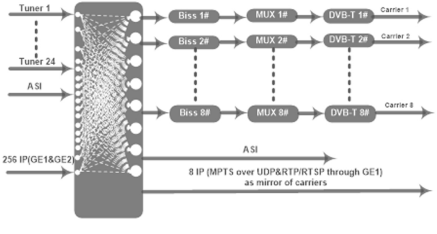
HOP28129- 24 in 1 Tuner to DVB-T Modulator

Features:

- 24 or 16 FTA Tuner (DVB-C/-T/-T2/-S/-S2/-S2X, ATSC, ISDB-T Optional) + 1 ASI input+256 IP input over UDP and RTP protocol
- 8*DVB-T RF output
- 8 IP (MPTS) output over UDP and RTP/RTSP, as mirror of carriers
- Support 8 groups BISS descrambling (only for version B)+8 groups multiplexing +8 groups DVB-T modulating
- Support accurate PCR adjusting, PSI/SI editing and inserting, A/V PID filtering
- Support Web management, Updates via web
- Redundancy Power Supply (optional)



Product Specifications:

- **Model : HOP28129**

HOP28129 is a high performance and cost-effective DVB-T modulator designed by Houper. It supports 24 or 16 FTA tuners input, maximum 256 IP input through GE1&GE2 and TS input for re-mux through 1 ASI ports. After BISS descrambling (version B), multiplexing and DVB-T modulating, it gives 8 non-adjacent carrier output and 8 IP (MPTS) output as mirror of carriers through GE1. HOP28129 is also characterized with high integrated level, high performance and low cost. It supports dual power supply (optional). This is very adaptable to newly generation broadcasting system.

Input	24 or 16 FTA Tuner (DVB-C/-T/-T2/-S/-S2/-S2X, ATSC, ISDB-T Optional) + 1 ASI input+256 IP input over UDP and RTP protocol (16 FTA Tuner input for option as per order)			
	256 IP (GE1&GE2) input over UDP and RTP protocol			
	1 ASI input, BNC interface			
Tuner Section	Option 1	DVB-C	Standard	J.83A(DVB-C), J.83B, J.83C
			Frequency In	60~890MHz
			Constellation	16/32/64/128/256 QAM
		DVB-T/T2	Frequency In	60~890MHz
			Bandwidth	6/7/8 M bandwidth
		ISDB-T	Frequency In	60~890MHz
	Option 2	DVB-S	Frequency In	950~2150MHz
			Symbol rate	0.5~45Msps
			Signal Strength	-65~-25dBm
			FEC	1/2, 2/3, 3/4, 5/6, 7/8
			Constellation	QPSK
			Max input bitrate	≤120 Mbps
		DVB-S2	Frequency In	950~2150MHz
			Symbol rate	QPSK/8PSK /16APSK: 0.5~45 Msps 32APSK: 0.5~40Msps.
			FEC	QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 32APSK: 3/4, 4/5, 5/6, 8/9, 9/10
			Constellation	QPSK, 8PSK, 16APSK, 32APSK
			Max input bitrate	≤120 Mbps
		DVB-S2X	Frequency In	950~2150MHz
			Symbol rate	QPSK/8PSK /16APSK: 0.5~45 Msps 8APSK/32APSK: 0.5~40Msps
			FEC	QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 13/45, 9/20, 11/20 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 8APSK: 5/9-L, 26/45-L 16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 1/2-L, 8/15-L, 5/9-L, 26/45, 3/5, 3/5-L, 28/45, 23/36, 2/3-L, 25/36, 13/18, 7/9, 77/90 32APSK: 3/4, 4/5, 5/6, 8/9, 9/10, 2/3-L, 32/45, 11/15, 7/9
			Constellation	QPSK, 8PSK, 8APSK, 16APSK, 32APSK
			Max input bitrate	≤120 Mbps
	Option 3	ATSC	Frequency In	30~1000MHz
			Bandwidth	6M
			Constellation	8VSB
BISS Descrambling	Mode 1, Mode E (descramble individual program) (only for ND63394T version B)			
Multiplexing	Maximum PID Remapping	256 output per channel		
	Function	PID remapping (automatically or manually)		
		A/V PID filtering (not for ND63394T version B)		
		Accurate PCR adjusting		
		Generate PSI/SI table automatically		
Modulation	Standard	EN300 744		
	FFT	2K, 4K, 8K		
	Bandwidth	6M, 7M, 8M		
	Constellation	QPSK, 16QAM, 64QAM		
	Guard interval	1/4, 1/8, 1/16, 1/32		
	FEC	1/2, 2/3, 3/4, 5/6, 7/8		
	MER	>=42 dB		
	RF out	8 non-adjacent carrier output		
	RF frequency	50~960MHz		
	RF output level	-20~-10dBm, 0.1dB step		
Stream out	8 DVB-T RF output (F type interface) 8 IP (MPTS) output over UDP and RTP/RTSP (GE1 only), as mirror of carriers 2 ASI output, one as mirror			