

# HP1612C 16 DVB-S2 Tuner to 12 ISDB-T Modulator



## Product Overview

HP1612C 16 DVB-S2 Tuner to 12 ISDB-T Modulator is a professional high integration device which includes tuner demodulation, multiplexing, and modulation. It support 16 DVB-S2 tuner input, 12 ISDB-T carriers RF output, it also support 1000M IP output. In conclusion, its high integrated and cost effective design makes the device widely used in varieties of digital distribution systems such as cable TV digital head-end, digital TV broadcasting etc.

## Key Features

- 16 FTA DVB-S/S2 tuner input;
- 1000M IP output over UDP and RTP protocol(MPTS and SPTS)
- 12 ISDB-T carrier RF output
- 2 ASI inputs

- 2 ASI **Independent output** (optional) as copy of 5MPTS
- Support “Null PKT Filter” function
- Support PID Remapping/ PCR accurate adjusting
- PID pass
- LCD、key function
- Control via web management, and easy updates via web

## Specification

Input	16 FTA DVB-S/S2 tuner inputs			
	2 ASI inputs			
	1000M IP input			
Output	12 ISDB-T carriers RF output			
	2 ASI output			
	IP output (SPTS and MPTS) IP output over UDP and RTP protocol			
Multiplexing	Maximum PID Remapping	180 output pids per channel		
	Function	PID remapping ( automatically or manually)		
		Accurate PCR adjusting		
Modulator	DVB-T	RF number	12 RF DVB-T output	
		Standard	EN300744	
		FFT mode	2K	
		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 frequency	50~960MHz, 1KHz step	
		RFoutput level	-34~ -10 dBm, 0.1db step	
	DVB-C	RF number	12 RF DVB-C output	
		Standard	EN300 429/ITU-T J.83A/B/C	
		MER	≥42db	
		RF frequency	50~960MHz, 1KHz step	
		RFoutput level	-34~-10dBm , 0.1dBm step	
	Symbol Rate	5.0Msps~7.0Msps,1ksps stepd		

		J.83A	J.83B/J.83C	
		Constellation	16/32/64/128/256QAM	64/256 QAM
		Bandwidth	8M	6M
	ATSC	RF number	12 RF ATSC output	
		Standard	ATSC A/53	
		Bandwidth	6M	
		Constellation	8VSB	
		FEC	RS(208 188)+Trellis	
		MER	≥42dB	
		RF frequency	50~960MHz, 1KHz step	
		RFoutput level	-34~-10dBm , 0.1dBm step	
	ISDB-T	RF number	12 RF ISDB-T output	
		Standard	ARIB STD-B31	
		Bandwidth	6M	
		Constellation	QPSK, 16QAM, 64QAM	
Guard Interval		1/32, 1/16, 1/8, 1/4		
Transmission Mode		2K		
Code rate		1/2, 2/3, 3/4, 5/6, 7/8		
MER		≥42dB		
RF frequency		50~960MHz, 1KHz step		
RFoutput level	-34~-10dBm , 0.1dBm step			
System function	Network management(WEB)			
	Chinese and English language			
	Ethernet software upgrade			
Miscellaneous	Dimension (W×L×H)	550mm×515mm×140mm		
	weight	6kg		
	Environment	0~45℃(work); -20~80℃(storage)		
	Power requirements	AC100~240V, 50/60Hz		