

# HP1608C 16 DVB-S2 Tuner to Modulator



## Product Overview

HP1608C 16 DVB-S2 Tuner to Modulator is a professional high integration device which includes tuner demodulation, multiplexing, and modulation. It support 16 DVB-S2 tuner inputs, 4/8/12 carriers of DVB-T/DVB-C/ATSC/ISDB-T RF output, ASI and IP output. It also support Biss descrambling function.

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, IPTV live channel streaming, etc.

## Key Features

- 16 FTA DVB-S/S2 tuner input(DVB-T/T2, ISDB-T, ATSC, DVB-C optional)
- 1000M IP output over UDP and RTP protocol(MPTS and SPTS)

- 4/8/12 DVB-T carrier RF output (ISDB-T, ATSC, DVB-C) optional
- 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,(DVB-T/T2, ISDB-T, ATSC, DVB-C) optional			
	2 ASI inputs			
	1000M IP input			
Output	8 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	4/8/12 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	4/8/16 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	16/32/64/128/256Q AM	64/256 QAM	
		Bandwidth	8M	6M	
	ATSC	RF number	4/8/12 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	4/8/12 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			