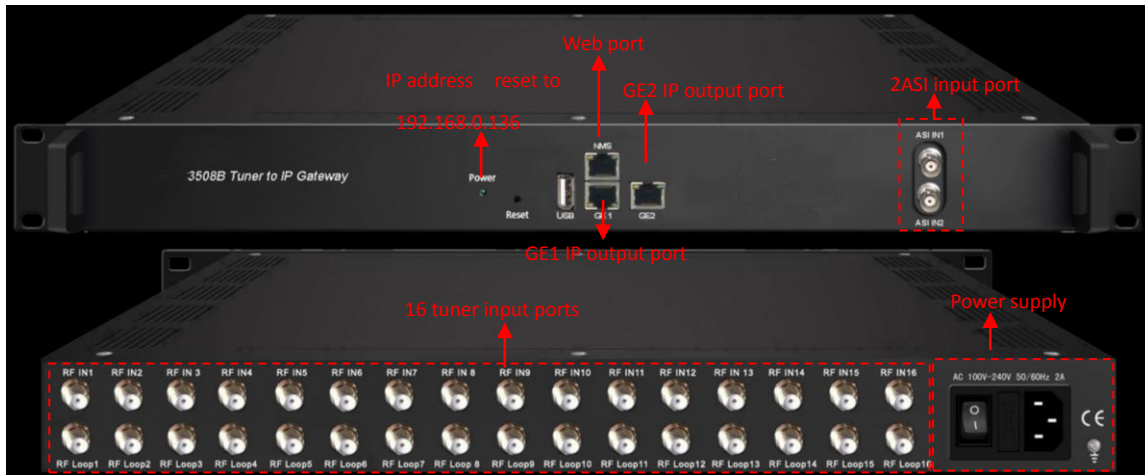




SFT 3508B

Tuner to IP Gateway



Outline

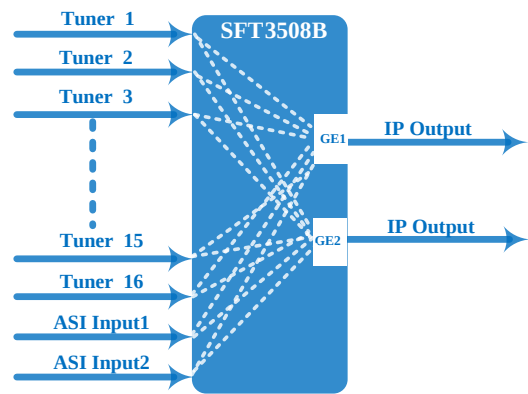
SFT3508B Tuner to IP Gateway is a head-end interface conversion device which supports MPTS and SPTS output switchable. It supports 16 MPTS or 512 SPTS output over UDP and RTP/RTSP protocol. It is integrated with tuner demodulation (or ASI input) and gateway function, which can demodulate the signal from 16 tuners into IP package, or directly convert the TS from ASI input and tuner into IP package, then output the IP package through different IP address and ports. BISS function is also embedded for tuner input to descramble your tuner input programs.

Key Features

- Support 16 FTA DVB- S/S2/S2X (DVB-C/T/(T)/ISDB-T/ATSC optional)input, 2 ASI input
- Support BISS descrambling
- Support DisEgc function
- 16 MPTS or 512 SPTS output (MPTS and SPTS output switchable)
- 2 GE mirrored output (IP address and port number of GE1 and GE2 are different), up to 850Mbps---SPTS

- 2 independent GE output port, GE1 + GE2---MPTS
- Support PID filtering, re-mapping (Only for SPTS output)
- Support “Null PKT Filter” function (Only for MPTS output)
- Support Web operation

Working Principle



Specifications

Input		Optional 1:16 tuners input +2 ASI input---SPTS output Optional 2:14 tuners input +2 ASI input --- MPTS output Optional 3:16 tuners input --- MPTS output		
Tuner Section		DVB-C	Standard	J.83A(DVB-C), J.83B, J.83C
			Frequency In	30 MHz~1000 MHz
			Constellation	16/32/64/128/256 QAM
		DVB-T/(T)	Frequency In	30MHz ~999.999 MHz
			Bandwidth	6/7/8 M bandwidth
	(Version 1)	DVB-S	Input Frequency	950-2150MHz
			Symbol rate	1~45 Msps
			FEC	1/2, 2/3, 3/4, 5/6, 7/8
			Constellation	QPSK
		DVB-S2	Frequency In	950-2150MHz
			Symbol rate	1~45 Msps
			FEC	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
			Constellation	QPSK, 8PSK
	(Version 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	≤125 Mbps
		DVB-S2	Frequency In	950-2150MHz
			Symbol rate	QPSK/8PSK /16APSK :0.5~45 Msps 32APSK: 0.5~34Msps;

			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	≤125 Mbps	
		DVB-S2X	Frequency In	950-2150MHz	
			Symbol rate	QPSK/8PSK /16APSK :0.5~45 Msps 8APSK: 0.5~40Msps 32APSK: 0.5~34Msps	
			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	≤125 Mbps	
			ISDB-T	Frequency In	30-1000MHz
			ATSC	Frequency In	54MHz~858MHz
	Bandwidth			6M bandwidth	

BISS Descrambling		Mode 1, Mode E (Up to 850Mbps) (descramble individual program)	
Output	512 SPTS IP mirrored output over UDP and RTP/RTSP protocol through GE1 and GE2 port (IP address and port number of GE1 and GE2 are different) , Unicast and Multicast		
	16 MPTS IP output (for Tuner/ASI passthrough) over UDP and RTP/RTSP protocol through GE1 and GE2 port, Unicast and Multicast		
Syatem	Web based management		
	Ethernet software upgrade		
Miscellaneous	Dimension	482mm×410mm×44mm (W×L×H)	
	Approx weight	3.6kg	
	Environment	0~45℃(work); -20~80℃（Storage）	
	Power requirements	100~240VAC, 50/60Hz	
	Power consumption	20W	

Tuner Input Options:

● 8 DVB-C Tuners + 8 ATSC Tuners
● 8 DVB-C Tuners + 8 DVB-T/(T) Tuners

● 8 DVB-S2/S2X Tuners + 8 DVB-T/(T) Tuners
● 8 DVB-S2/S2X Tuners + 8 ISDB-T Tuners
● 16 DVB-S/S2/S2X/DVB-C/T/(T) /ISDB-T/ATSC Tuners