

SOFTTEL



SFT3508B V3

Tuner to IP Gateway



Outline

SFT3508B V3 Tuner to IP Gateway is a head-end interface-conversion device which supports MPTS and SPTS output switchable in Web GUI. It supports 24 MPTS+3 MPTS(2 ASI inputs and 1 USB input) or 1024 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 24 FTA tuners into IP package, or directly convert the TS from ASI inputs or USB input into IP package, then output the IP package through different IP address and ports. BISS function is also embedded for tuner inputs to descramble the programs from tuner inputs.

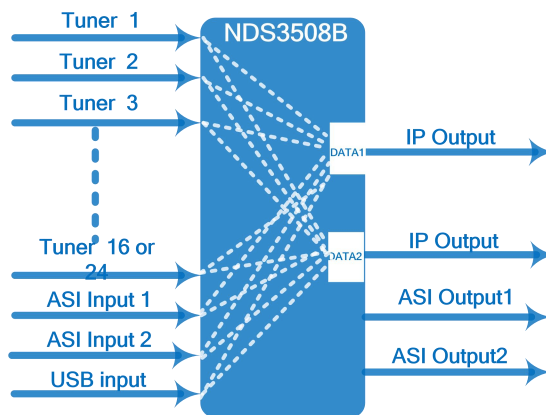
Key Features

- Support 24 or 16 FTA DVB- S/S2/S2X or DVB-C/T/T2/ISDB-T Multi-Mode Switchable tuner inputs, 2 ASI inputs, 1USB input(TS file Playing, FTA 32, USB 2.0)
- Support BISS descrambling
- Support DisEgc function

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- 24 MPTS+3 MPTS(2 ASI inputs and 1 USB port) or 1024 SPTS output (MPTS and SPTS output switchable in Web GUI)
- 2 DATA output ports (IP address and port number of DATA1 and DATA2 are different), up to 900Mbps---SPTS
- 2 independent DATA output ports, DATA1 (512 SPTS) + DATA2 (512 SPTS)
- MPTS is pass-through mode, the first 12 tuner-input signals will be outputted from DATA 1, the rest 12 tuner-input signals will be outputted from DATA 2; The output of 2 ASI-input signals and 1 USB-input signal can be chosen to output via DATA 1 or DATA 2
- ASI out is useless in SPTS out mode, and ASI out can be the pass-through output of 2 input signals in MPTS out mode
- Support PID filtering, re-mapping (Only for SPTS output)
- Support “Null PKT Filter” function (Only for MPTS output)
- Support Web operation, reboot in Web GUI after firmware upgrading

Working Principle



Specifications

Input		24 tuners inputs +2 ASI inputs +1 USB inputs---SPTS/MPTS output	
Satellite	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	
		Multi-Mode Switchable Tuner Inputs	DVB-C	Standard
	Frequency In			50~960MHz
Constellation	16/32/64/128/256 QAM			
DVB-T/T2	Frequency In		50~960MHz	
	Bandwidth		6/7/8 M bandwidth	
ISDB-T	Frequency In		50~960MHz	
BISS Descrambling			Mode 1, Mode E (Up to 850Mbps) (descramble individual program)	
Output		1024 SPTS IP output over UDP and RTP/RTSP protocol through DATA1 and DATA2 port (IP address and port number of DATA1 and DATA2 are different), Unicast and Multicast		
		27 MPTS IP output (for Tuner/ASI/USB pass-through) over UDP and RTP/RTSP protocol through DATA1 and DATA2 port, Unicast and Multicast		
		2 ASI outputs(MPTS out mode)		
System		Web based management		
		Ethernet software upgrade		
Miscellaneous		Dimension	482mm×270mm×44mm (W×L×H)	
		Environment	0~45°C(work); -20~80°C (Storage)	
		Power requirements	100~240VAC, 50/60Hz	