SOFTEL

SFT3308L Series

8-in-1/16-in-1 ISDB-T/DVB-T/DVB-C Modulator

Product Overview

Th

e Product 8-in-1/16-in-1 ISDB-T/DVB-C/DVB-T/ATSC modulator is the latest generational Mux-modulating device developed by our company. It has 8 (or16) multiplexing channels and ISDB-T/DVB-T/DVB-C modulating channels, and supports maximum 192 (or 512) IP input through the 8 GE ports and 8 (or16) ISDB-T non-adjacent carriers (50MHz~960MHz) output through the RF output interface. The device is also characterized with high integrated level, high performance and low cost. This is very adaptable to newly generation DTV broadcasting system.

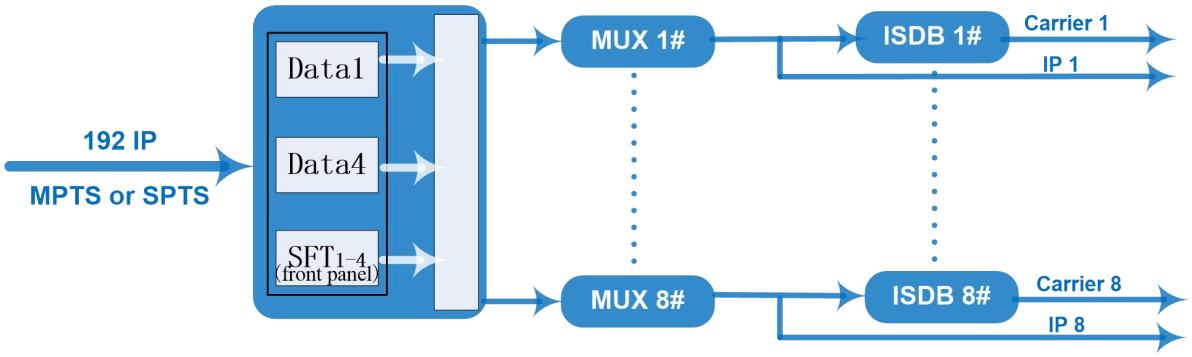
Key Features

- **4GE SFT and 4 DATA ports for date input and output**
- **Max 840Mbps for each GE input**
- **Supports accurate PCR adjusting**
- **Supports CA filtering, PID remapping and PSI/SI editing**
- **Supports up to 256 PIDS remapping per channel**
- **Support 8/16 IP output through Data1 ~ Data4 over UDP/RTP/RTSP--Version I**
  Support 16 IP output through Data1 & Data2 over UDP/RTP/RTSP--Version II
- **8 /16 non-adjacent carriers output, compliant to ISDB-Tb/DVB-T/DVB-C (ARIB STD-B31)**

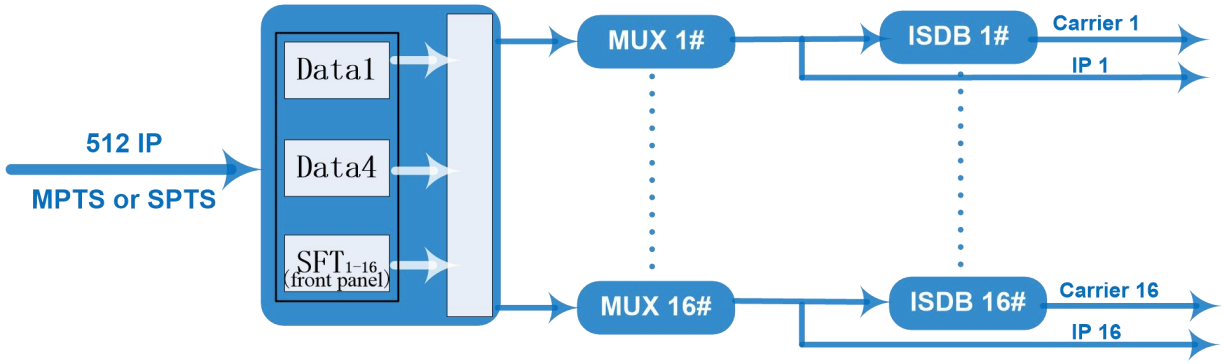
- **Support Web-based Network management**

Inner Principle Chart

(Version I - For 6 carriers out):

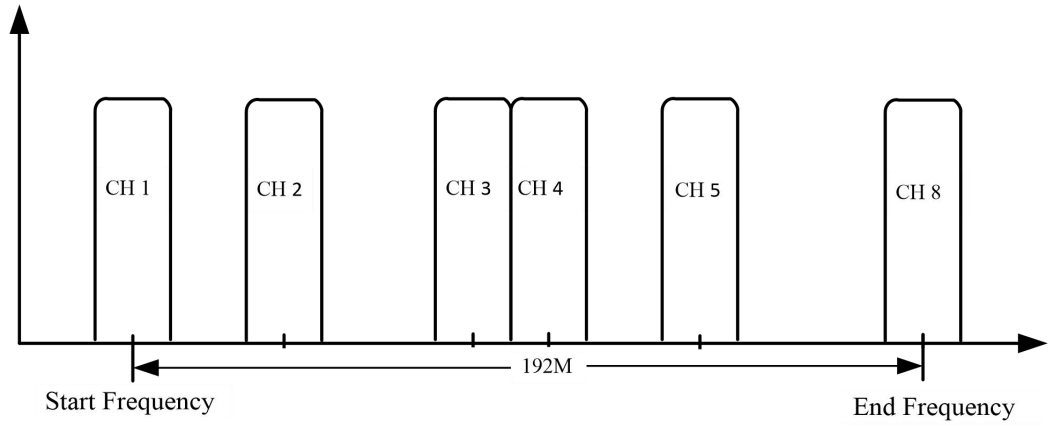


(Version II - For 16 carriers out):

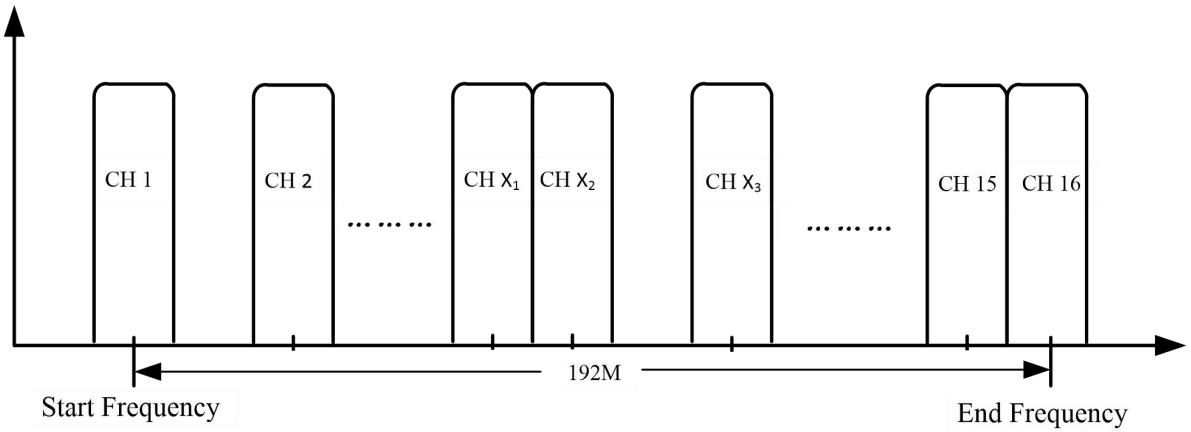


Carrier Setting Illustration

(Version I - For 8 Carriers out):



(Version II - For 16 carriers out):



Specifications

Input	Input	Max 192 IP input through 8 (front-panel Data port, Data 1 ~ SFT-X) 100/1000M Ethernet Port (SFP interface optional). Each Data1 ~ Data4 port can input max 192 IP, while front-panel Data port can input max 192 IP- **For Version I** Max 512 IP input through 8 (front-panel Data port, Data 1 and SFT-X) 100/1000M Ethernet Port (SFP interface optional). Each Data1 or Data 2 port can input max 512 IP, while front-panel Data port can input max 512 IP- 16 ISDB-T Carriers out version –**For Version II**
	Transport Protocol	TS over UDP/RTP, unicast and multicast, IGMP V2/V3
	Transmission Rate	Max 840Mbps for each GE input
Mux	Input Channel	192 (for Version I)/512(for Version II)
	Output Channel	8 (or 16)
	Max PIDs	256 per channel
	Functions	PID remapping (auto/manually optional)
		PCR accurate adjusting
		PSI/SI table automatically generating
Modulation Parameters	Standard	ARIB STD-B31
	Bandwidth	6M
	Constellation	QPSK, 16QAM, 64QAM
	Guard Interval	1/32, 1/16, 1/8, 1/4
	Transmission Mode	2K, 4K, 8K
	Code rate	1/2, 2/3, 3/4, 5/6, 7/8
	MER	≥40dB
	RF frequency	50~960MHz, 1KHz step
	RF output level	-20dBm~+10dBm(87~117dbμV), 0.1dB stepping
	Output Channel	8 non-adjacent carriers output - Version I 16 non-adjacent carriers output - Version II

RF Output	Interface	1 F typed port, 75Ω impedance
	ACLR	-50 dBc
TS output	8 (or 16) IP output over UDP/RTP/RTSP, unicast/multicast, 4 (Data1& Data4) 100/1000M Ethernet Ports	
System	Network management software (NMS) supporting	
General	Demission	480mm×327mm×44.5mm (WxLxH)
	Weight	5.5kg
	Temperature	0~45℃(operation), -20~80℃(storage)
	Power Supply	AC 100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz
	Consumption	15.4W

Attached Product's Pictures

（Back Pants Product Pictures）

（Interface Connection Picture with ASI+IP+USB+SFP+RF)

Product Front Pants Picture（Customized OEM）

(Four SFP+ 4*IP Gigabit Big Back Pants Pictures + 6*ASI)