

**Overviews**

6 in 1 ISDB-T Modulator is the latest generational Mux-modulating device developed . It has 6 multiplexing channels and 6 (ISDB-Tb) modulating channels , and supports maximum 192 IP input through the 3 GE ports and 6 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 .



**Feature**

- 3 GE ports (max 192 IP in):
  - Data1 & Data2 bi-directional ports, max 192 IP in, 6 IP out
  - Data port (located on front panel), max 128 IP in
- Max 840Mbps for each GE input
- Supports accurate PCR adjusting
- Supports CA filtering, PID remapping and PSI/SI editing
- Supports up to 180 PIDS remapping per channel
- Support 6 IP output through Data1 & Data2 over UDP/RTP/RTSP
- 6 non-adjacent carriers output, compliant to ISDB-Tb (ARIB STD-B31)
- Support Web-based Network management

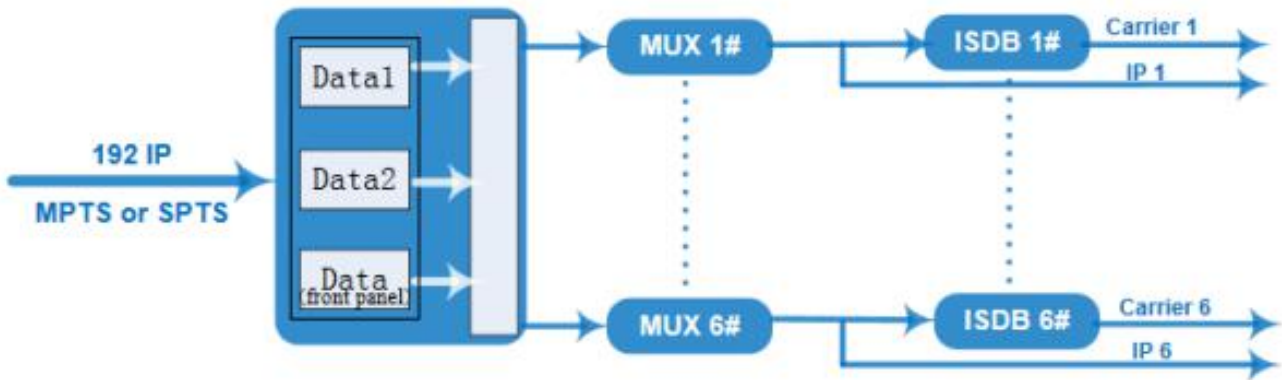
**Specification**

Item	Parameter
	Input
Input	Max 192 IP input through 3 (front-panel Data port, Data 1 and Data 2) 100/1000M Ethernet Port (SFP interface optional). Each Data1 or Data 2 port can input max 192 IP, while front-panel Data port can input max 128 IP

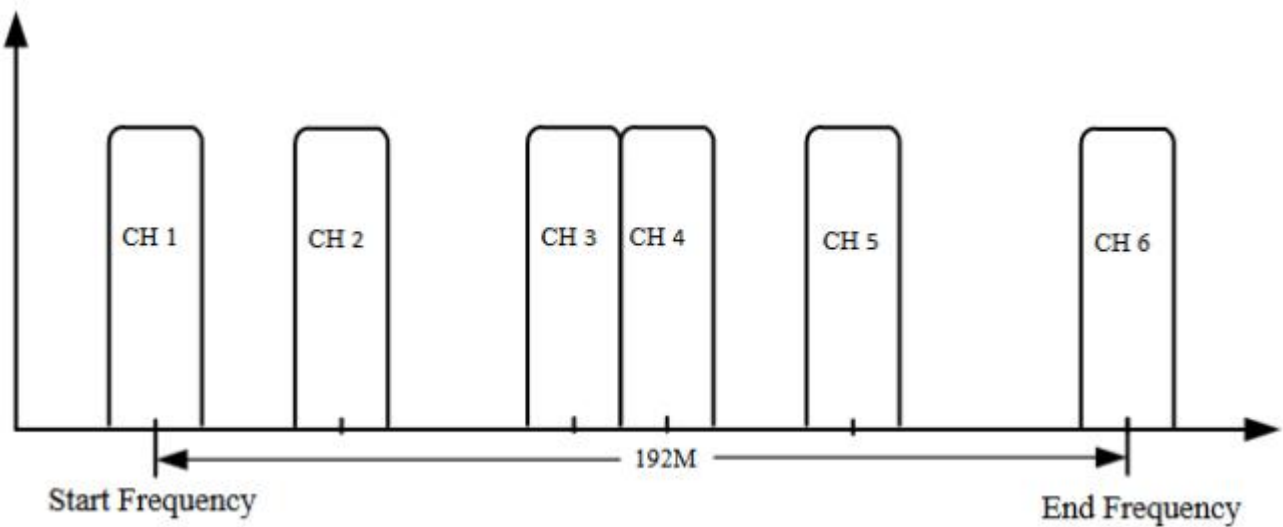
Transport Protocol	TS over UDP/RTP, unicast and multicast, IGMP V2/V3
Transmission Rate	Max 840Mbps for each GE input
Mux	
Input Channel	192
Output Channel	6
Max PIDs	180 per channel
Functions	PID remapping (auto/manually optional)
	PCR accurate adjusting
	PSI/SI table automatically generating
Modulation 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
RF Output	
Interface	1 F typed output port for 6 carriers, 75Ω impedance
ACLR	-50 dBc
TS output	
6 IP output over UDP/RTP/RTSP, unicast/multicast, 2 (Data1& Data2) 100/1000M Ethernet Ports	
System	
Network management software (NMS) supporting	
General	
Demission	420mm×440mm×44.5mm (W×L×H)
Weight	3kg

Temperature	0~45℃(operation), -20~80℃(storage)
Power Supply	AC 100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz
Consumption	15.4W

### Principle Chart



### Carrier Setting Illustration



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