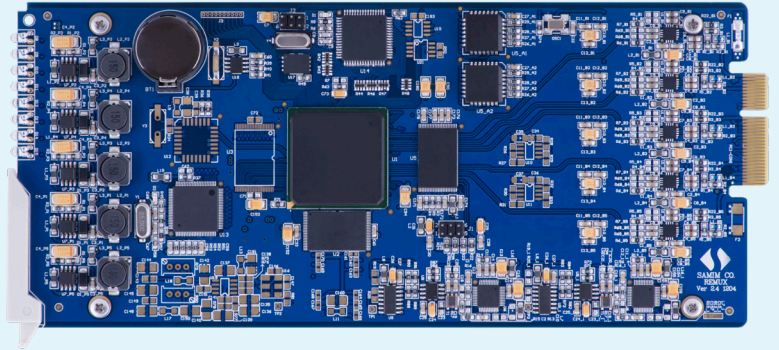


RMX-0510

DVB-ASI Re-multiplexer with 5 ASI Inputs

2019 Datasheet



SAMIM RMX-0510 is a professional module for re-multiplexing and encryption/decryption of SD and HD video and audio services which prepare SPTS and MPTS to broadcast DVB-S/S2, DVB-T/T2, DVB-C and IPTV networks. The RMX-0510 is a reliable solution to de-mux and re-mux up to 5 ASI inputs through two independent ASI and IP outputs. The RMX-0510 re-multiplexer supports advanced analysis of TS inputs and display their accurate bit rates, as well as automatic and manual re-mapping of PIDs and service filtering. It also generates SI tables and processes them to attain flexible solutions for rebroadcasting. This card is capable of producing and processing PSI/SI tables according to ETS 300 486 standard and also PCR re-stamping. LED indicators inform the user working status of the card.

Key Features

- Two fully-independent ASI outputs
- Complete analysis of ASI inputs and displaying service lists together with component PIDs and real-time bit rates
- Displaying accurate bit rates of the outputs and inputs through software
- Independent and accurate (kbps) output bit rate settings
- PCR re-stamping
- Complete regeneration of SI and PSI tables and up to 8191 PIDs support for each output
- Control and monitoring functionality
- Automatic remapping of PIDs
- Manual PID re-mapping and resolving PID conflicts in outputs
- Service-level add and drop
- NIT table complete regeneration, including logical channel number (LCN) insertion, multiple TS ID insertion for different modulation types (satellite, terrestrial, cable, etc.)
- EIT table insertion from one of the inputs
- BISS encryption and decryption
- Provides outputs as a network
- Compatible with SAMIM 3RU frame (SRM-0655)

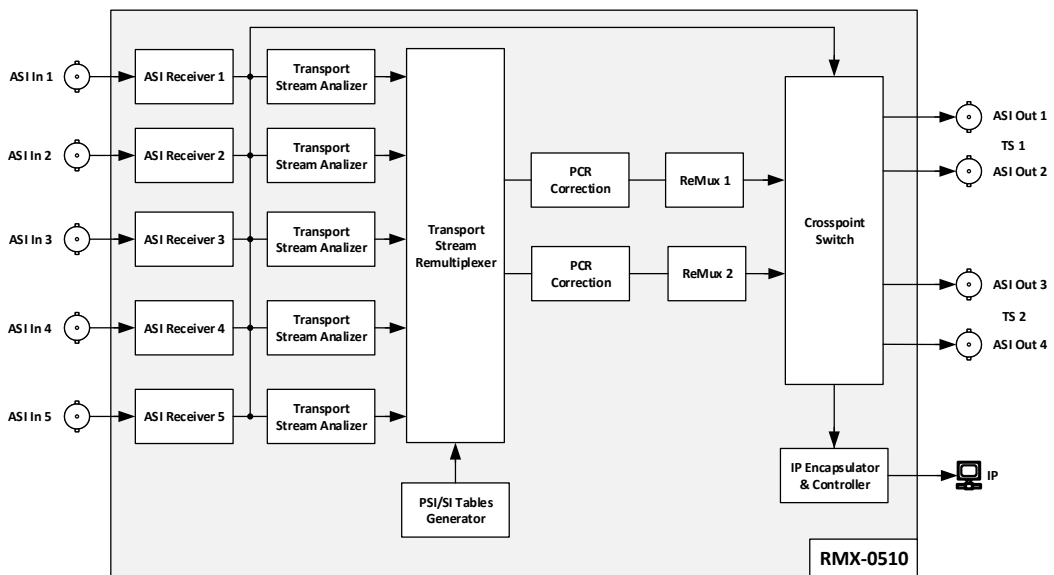
Applications

- Professional re-multiplexing of DVB services (DVB-T/T2, DVB-S/S2 transition)
- BISS encryption and decryption
- IPTV networks
- TS managing at transmission station

Back Panel



Block Diagram



Specifications

ASI Input		Functions	
Signal type	DVB-ASI	Full Input TS Analysis TS Service Level selection Input Service Rate Extraction Output Stream Rate Adjust PID Re-mapping PCR Re-stamping PSI/SI Table processing and Insertion	
Standard	ISO-13818-1		
Number of inputs	5	LED Indicators	
Connector	BNC	Green	1 for power OK 5 for indication of signal presence on each input
Impedance	75Ω	Red	2 for indication of signal overshoot on each output
Voltage level	800 mV ± 10%	Electrical	
Data rate	0–150 Mb/s	Voltage	±(8~12)V DC
Packet size	188 or 204	Power	<7W
Clock rate	270 MHz ± 100 ppm	Mechanical	
ASI Output		Dimensions	220 mm × 100 mm (for 19",3RU standard frame)
Signal type	DVB-ASI	Weight	250 g with shield plate, 100 g back panel
Standard	ISO-13818-1	Environmental	
Number of outputs	2	Temperature	5°C to 40°C
Connector	BNC	Humidity	5% to 90%
Impedance	75Ω	IP Output (optional)	
Voltage level	800 mV ± 10%	Standard	IEEE Std 802.3-2002,10/100 Base-T
IP Output (optional)		Number of outputs	1
Standard	IEEE Std 802.3-2002,10/100 Base-T	Connector	RJ45
Number of outputs	1		
Connector	RJ45		

System Requirements

Type	Item	Product	Description
Frames and Accessories	1	SRM-0655	3RU Frame with Two 150/225W Power Supplies and Fan Door with LED Display
Multiviewer Hardware & Software DVB-IP	1	MVP-0570	MPEG TS signal multiviewer system

Ordering Information

Product	Description
RMX-0510	DVB-ASI Re-multiplexer with 5 ASI Inputs
IP	LAN 10/100 Network Streamer (optional)
BIDEC	BISS Encryption Support (optional)
BIENC	BISS Encryption Support (optional)

With the mighty R&D approach in the market, we are an innovation company, perpetually breaking ground with game changing technology advancements. Consequently, we enable our customers to create and broadcast higher quality media, with less complexity and cost.

Our products provide high flexibility over conventional broadcast channels and Video-on-Demand to TV stations and smart devices. Our cutting-edge IP solutions are based on open standards to help enhance broadcasting companies' trade nimbleness and their capability to broadcast mighty stories with astonishing pictures. Either HD or 4K, HDR, SDI or IP, SAMIM group provides solutions that make our customers more successful with the great flexibility to create, manage and connect the media reliably.

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