



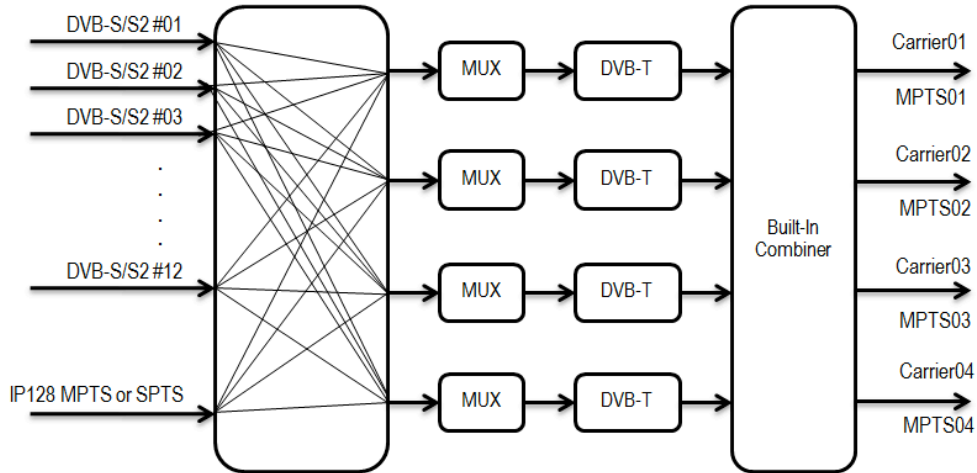
Outline

ACE16S2-8T is a high performance and cost-effective DVB-T Modulator. It has 16 DVB-S/S2 Tuner inputs, after multiplexing, scrambling (only for DVB-C) and modulating process, then it gives 8 RF output. To meet customers' various requirements, this device is also equipped with 128 IP input and 8 MPTS output over UDP and RTP. Its pluggable structure design greatly facilitates the change of modules as needed. Moreover, ACE16S2-8T can support Biss descrambling (Optional) and can be upgraded and controlled through network system, which allows it to be widely used in setting up digital broadcasting network and provide good signals for scientific laboratory and DVB-T STB.

Features

1. 16 Tuner(16 DVB-S/S2 Tuner) input ports
2. Support maximum 128 IP input(MPTS/SPTS) over UDP and RTP protocol
3. Support 4 groups multiplexing +4 groups DVB-T modulating
4. 8*DVB-T carrier output and 8 IP (MPTS) output over UDP and RTP protocol (Biss descrambling optional).
5. Integrated demodulating and multiplexing functions
6. Support accurate PCR adjusting
7. Support PID Remapping
8. Support PSI/SI rebuilding and editing
9. Web-based NMS management

Principle Chart



Specification

Input	16 DVB-S/S2 FTA Tuner 128 IP(SPTS/MPTS) input over UDP and RTP, RJ45, 1000M/100M Unicast/Multicast		
Tuner Section	DVB-S	Input Frequency	950-2150MHz
		Symbol rate	2-45MSPS
		Signal Strength	-65~-25dBm
		FEC Demodulation	1/2, 2/3, 3/4, 5/6, 7/8 QPSK
	DVB-S2	Input Frequency	950-2150MHz
		Symbol rate	QPSK 1~45Mbauds; 8PSK 2~30Mbauds
		Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
		Constellation	QPSK, 8PSK
Multiplexing	Maximum PID Remapping	256 per input channel	
	Function	PID Remapping	
		Accurate PCR adjusting	
Modulation	DVB-T	Standard	EN300744
		FFT mode	2K,
		Bandwidth	6M, 7M, 8M
		Constellation	QPSK, 16QAM, 64QAM
		Guard Interval	1/4, 1/8, 1/16, 1/32
		FEC	1/2, 2/3, 3/4, 5/6, 7/8
		MER	≥42 dB
		RF frequency	50~960MHz, 1KHz step

		RF out	4*RF COFDM DVB-T out (4 carriers combined output)	
		RF output level	-28~ -3 dBm (77~97 dBμV), 0.1db step	
	DVB-C	Standard	J.83A (DVB-C), J.83B,	
		MER	≥43dB	
		RF frequency	30~960MHz, 1KHz step	
		RF output level	-25~ -1dbm (77~97 dBμV), 0.1db step	
		Symbol rate	5.000~7.000MSPS adjustable	
		RF Out	4*DVB-C adjacent carriers combined output	
		J.83A	J.83B	
Constellation	16/32/64/128/256 QAM	64/ 256 QAM		
Bandwidth	8M	6M		
System	Remote management	Web NMS		
	Stream Out	4*MPTS over UDP and RTP out (RJ45, 1000M/100M Unicast/Multicast)		
	Language	English and Chinese		
	Software Upgrading	Web and USB		
General	Dimension (W*D*H)	482mm×300mm×44.5mm		
	Weight	3.7kg		
	Temperature	0~45°C (Operation) ; -20~8°C (Storage)		
	Power	AC 100V±10%/60Hz; AC 220V±10%, 50/60HZ		
	Consumption	25W		

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