

16 DVB-S/S2 BISS to 8 COFDM Modulator

ACE 16S2-8T

SKU : AD0511ACB2241

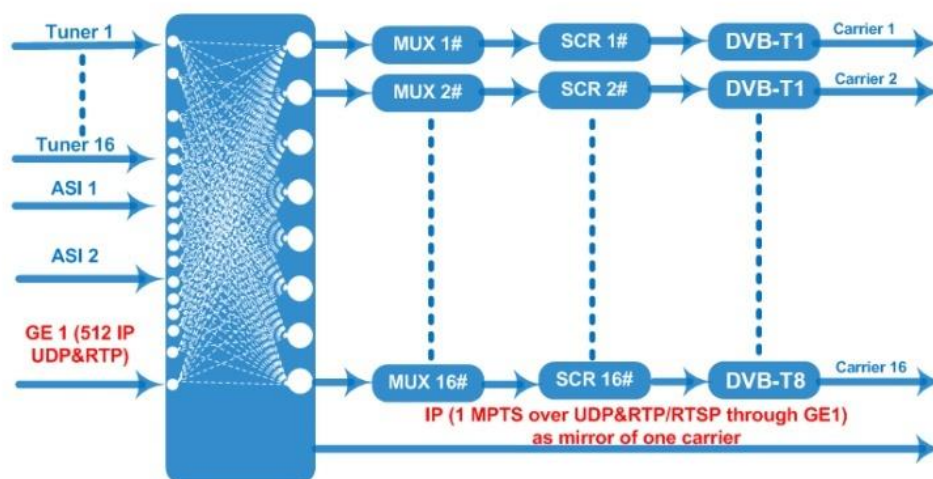


The **ACE 16S2-8T** 16 DVB-S/S2 BISS to 8 COFDM Modulator is a high performance and cost-effective DVB-T Modulator. It has 16 DVB-S/S2 Tuner inputs, after multiplexing, scrambling (only for DVB-C) and modulating process, then it gives 8 RF output. To meet customers' various requirements, this device 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, 16S-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.

Main Features:

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

Principle Chart:



Specification



Specifications:

PRODUCT		16S2-8T	
Input	16 DVB-S/S2 FTA Tuner 128 IP(SPTS/MPTS) input over UDP and RTP, RJ45, 1000M/100M Unicast/Multicast		
	DVB-S	Input Frequency	950-2150MHz
		Symbol rate	2-45Msp/s
		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	
		Generate PSI/SI table automatically	
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
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

