

## 4 DVB-T/T2 & 8 DVB-S/S2 BISS to 4 COFDM Modulator

### ACE 4T8S-4T

SKU : AD0511AFD2231

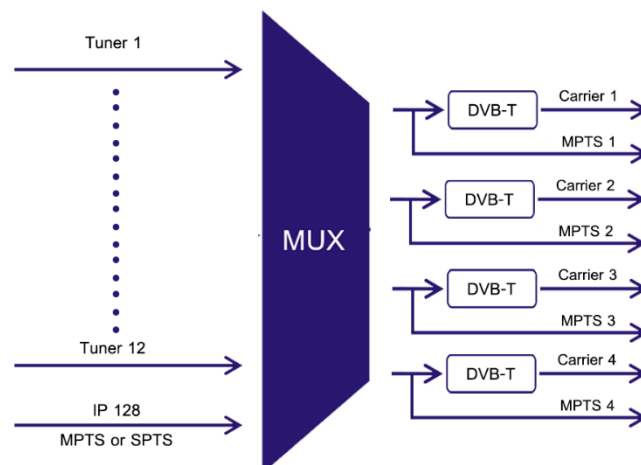


The **ACE 4T8S-4T** is a high performance and cost-effective DVB-T modulator designed. It has 4 DVB-T2 tuner inputs and 8 DVB-S2 tuner inputs, after multiplexing, and modulating process, then it gives 4 RF output. To meet customers' various requirements, this device is also equipped with 128 IP input and 4 MPTS output over UDP and RTP. Its pluggable structure design greatly facilitates the change of modules as needed. Moreover, 4T8S-4T 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:

- 4 DVB-T2 tuner inputs and 8 DVB-S2 BISS tuner inputs.
- Support maximum 128 IP input (MPTS/SPTS) over UDP and RTP protocol.
- Support 4 groups multiplexing +4 groups DVB-T modulating---- 4T8S-4T.
- 4\*DVB-T carrier output and 4 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.
- Support BISS Descrambling

#### Principle Chart:



## Specifications:

PRODUCT		ACE 4T8S-4T	
Input	8 DVB-S2 BISS tuner+ 4 DVB-(T) tuner input		
	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
	DVB-T	Input Frequency	30MHz ~999.999 MHz
Bandwidth		6M, 7M, 8M	
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
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) ; -20~80°C (Storage)	
	Power	AC 100V±1050/60Hz; AC 220V±10%, 50/60HZ	
	Consumption	25W	

