

## IP to 16 COFDM Modulator

### ACE 16IPOFDM

SKU : AD0121BBA1001

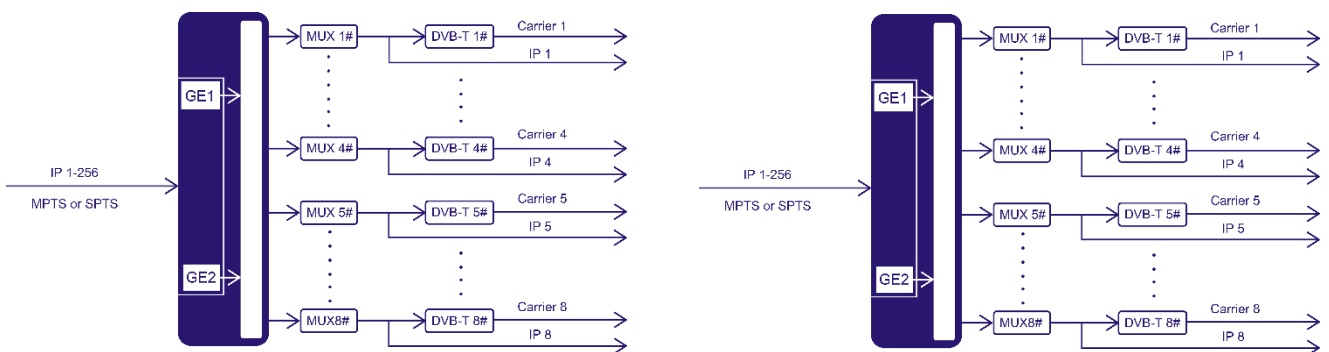


The **ACE 16IPOFDM** is an all-in-one device. It has 16 multiplexing channels and 16 DVB-T modulating channels, and supports maximum 512 IP input through the GE port and 8 non-adjacent carriers (50MHz~960MHz) output through the RF output interface. The device is also characterized with high integrated level, high performance and low cost. This is very adaptable to newly generation DTV broadcasting system.

#### Main Features:

- 2 GE input, SFP interface
- Supports up to 512 channels TS over UDP/RTP, unicast and multicast, IGMP v2/v3
- Max 840Mbps for each GE input
- Supports accurate PCR adjusting
- Supports PID remapping and PSI/SI editing
- Supports up to 180 PIDS remapping per channel
- Support 8 multiplexed TS over UDP/RTP/RTSP output
- 16 DVB-T non-adjacent carriers output, compliant to ETSI EN300 744 standard
- Supports RS (204,188) encoding
- Support Web-based Network management
- Modular design, 1U chassis support up to 3 modules

#### Principle Chart:



## Specifications:

PRODUCT	ACE 16IPOFDM		
Input	512x2 IP input, 2 100/1000M Ethernet Port (SFP)		
Transport protocol	TS over UDP/RTP/RTSP, unicast and multicast, IGMP V2/V3		
Transmission code	Max 840Mbps for each input channel		
Mux	Input channel	512	
	Output channel	16	
	Maximum PIDs	180 per input channel	
	Functions	PID re-mapping( auto/manual optional)	
		PCR accurate adjusting	
		PSI/SI table automatically generating	
Channel	16		
Modulation	Modulation Standard	ETSI EN300 744	
Parameters	Constellation	QPSK/16QAM	
	Bandwidth	16, 32, 64 , 128, 256QAM	
	Trans mode	6/7/8 MHz	
	FEC	2K/4K/8K	
RF output	Interface	F typed output port for 8 non-adjacent carriers	
	RF range	50~960MHz, 1kHz stepping	
	Output Level	-15~+5dbm (for all carriers), 0.5db stepping	
	MER	≥ 40dB	
	ACL	-55dBc	
TS output	8 IP output over UDP/RTP/RTSP, unicast/multicast, 2 100/1000M Ethernet Ports		
System	Web-based Network management		
General	Demission(WxLxH)	420mmx440mmx44.5mm (WxLxH)	
	Weight	3kg	
	Temperature	0~45°C(operation),-20~80°C(storage)	
	Power supply	AC 100V±10%,50/60Hz or AC 220V±10%,50/60Hz	
	Consumption	15.4W	

