

IP to 16 QAM Modulator

ACE 16IPQAM

SKU : AD0111BBA1001

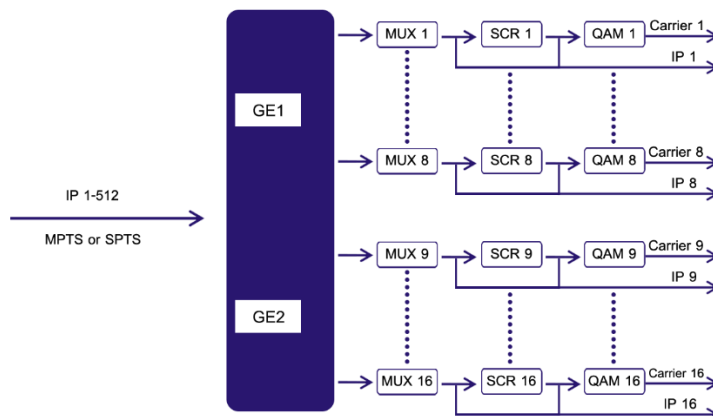


The **ACE 16IPQAM** is the latest generational Mux-scrambling-modulating all-in-one device developed. It has 16 multiplexing channels, 16 scrambling channels and supports maximum 512 IP input through the GE port and 16 non-adjacent carriers (50MHz~960MHz) output through the RF output interface. The device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

Main Features:

- Modular design, 1U chassis supports up to 3 modules
- Fully complying with EN300 429/ITU-T J.83A
- 2 GE ports support backup input, up to 512 IP inputs, network de-bounce
- Supporting UDP protocol, uni-cast and multicast, IGMP V2/V3
- Single input IP max value 108Mbps, amount input coding stream value 840Mbps
- Direct-connection input or be multiplexed to 8 output channels
- Any input channel to any output channel multiplexing, amount of output PID per input is 256 (maximum)
- PCR fine-tuning
- PSI / SI editing and inserting
- 16 QAM modulation carrier output, 4 adjacent channel carrier output, 2 RF output
- Symbol rate range: 5.0Msps~7.0Msps
- RF output range: 48MHz~860MHz in 1kHz step
- RF output level attenuation: -14dBm~6dBm in 0.5dB step
- MER≥40dB
- Network management system

Principle Chart:



Specifications:

PRODUCT	ACE 16IPQAM	
Input	512×2 IP input, 2 100/1000M Ethernet Port (SFP)	
Transport protocol	TS over UDP/RTP, unicast and multicast, IGMP V2/V3	
Transmission code	Max 840Mbps amount channels	
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	
Scrambling	Max simulcrypt CA	4
Parameters	Scramble Standard	ETR289, ETSI 101 197, ETSI 103 197
	Connection	Local/remote connection
	QAM Channel	16 non-adjacent carrier
Modulation	Modulation Standard	EN300 429/ITU-T J.83A/B
Parameters	Symbol Rate	5.0~7.0Msps, 1ksps stepping
	Constellation	16, 32, 64 , 128, 256QAM
	FEC	RS (204, 188)
RF output	Interface	1 F typed output port for 16 carriers, 75Ω impedance
	RF range	50~960MHz, 1kHz stepping
	Output ATT	-20dBm~+10dBm(87~117dbμV), 0.1dB stepping
	MER	≥ 40dB
	ACLR	-60 dBc
TS output	16 IP output over UDP/RTP/RTSP, unicast/multicast, 2 100/1000M Ethernet Ports	
System	Network management software (NMS) supporting	
General	Demission(WxLxH)	420mm×440mm×44.5mm (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

