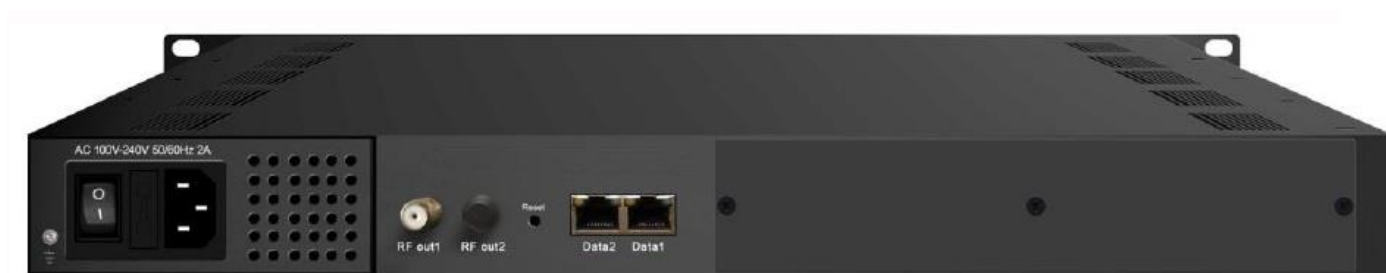
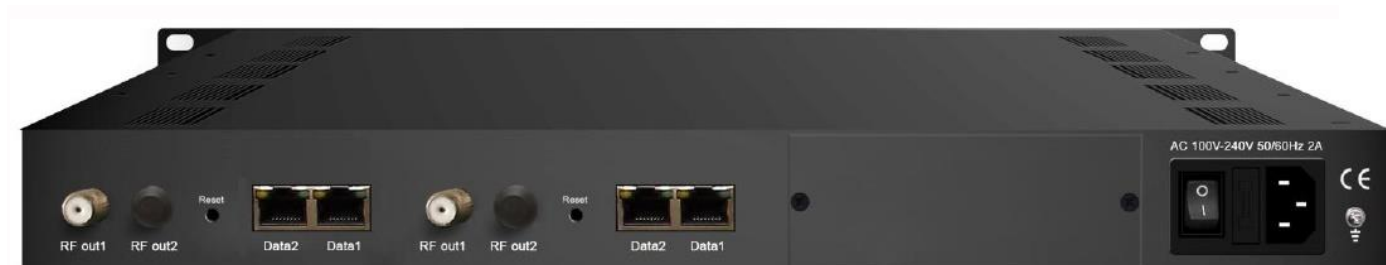




ADV-8948-16 and ADV-8948-32 rear panel



ADV-8948-48 rear panel

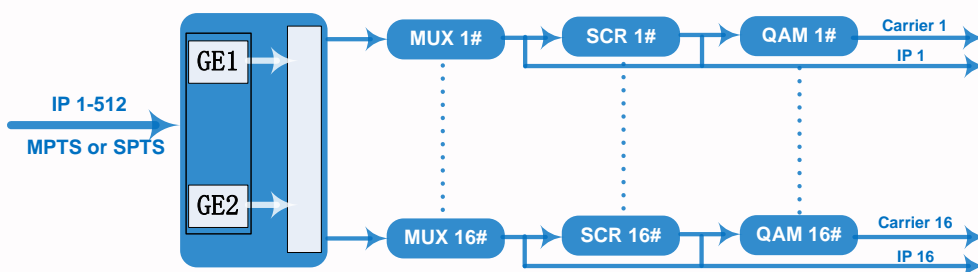


The ADV-8948 is a broadcast QAM modulator designed for full compliance with QAM (DVB-C) modulation standards. It has 512/1024/1536 IP inputs through GE ports, 16/32/48 multiplexing channels, 16/32/48 scrambling channels and 16/32/48 QAM (DVB-C) modulating channels with non-adjacent carriers (50MHz~960MHz) output through the RF output interface.

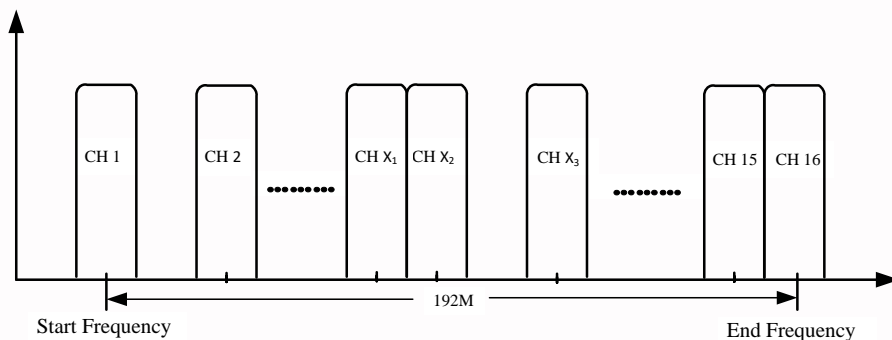
## Main Features:

- 2/4 GE ports, (SFP interface optional)
- 512/1024/1536 IP TS inputs over UDP/RTP, unicast and multicast, IGMP v2\v3
- Up to 840Mbps for each GE port
- 16/32/48 non-adjacent QAM carriers RF output
- Excellent RF output performance, MER  $\geq$  40db
- Accurate PCR adjustment, CA filtering, PID remapping (up to 256 PIDs per channel)
- PSI/SI re-generation and insertion
- 16/32/48 channels scrambling
- 16/32/48 multiplexed TS over UDP/RTP/RTSP output
- RS (204,188) encoding
- Web Network management

## ADV-8948-16 block diagram

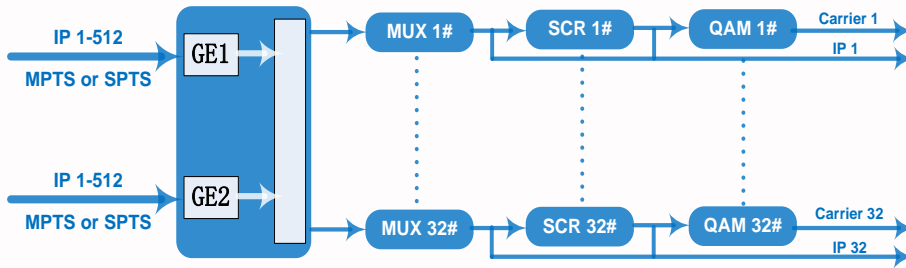


## ADV-8948-16 carriers settings

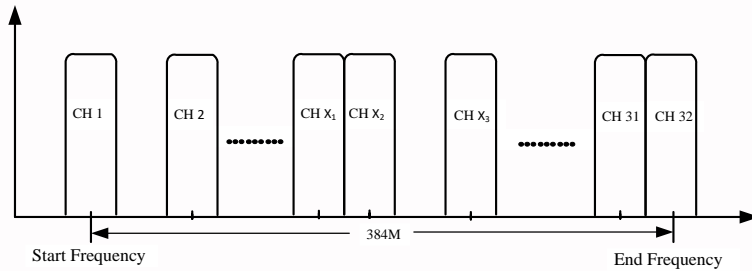




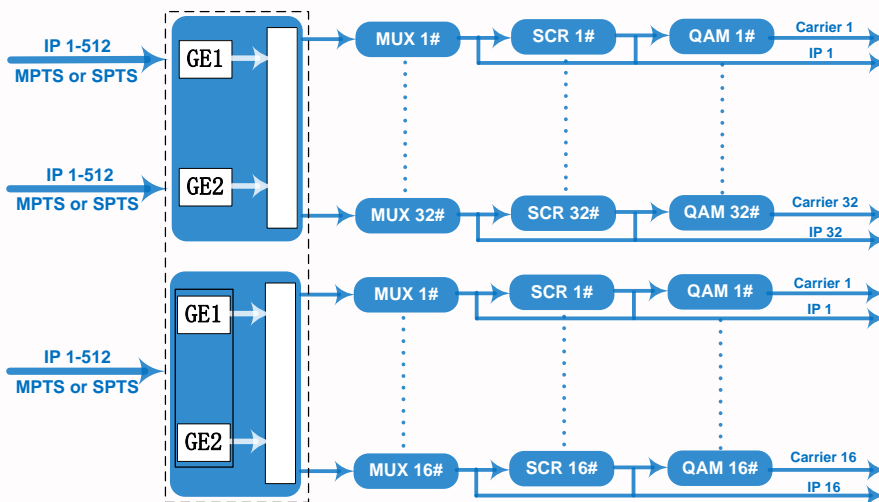
ADV-8948-32 block diagram



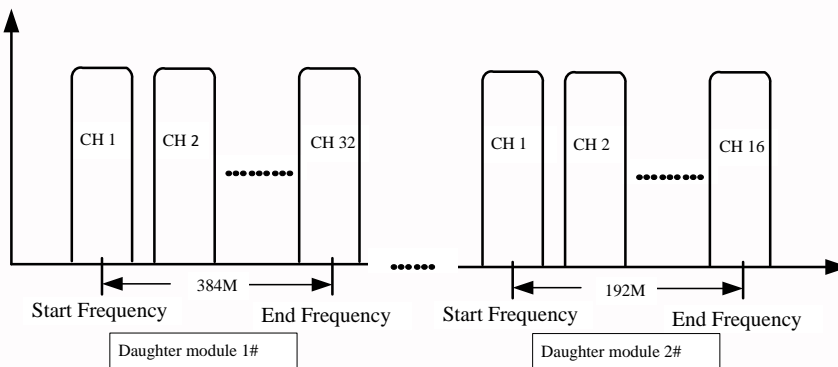
ADV-8948-32 carriers settings



ADV-8948-48 block diagram



ADV-8948-48 carriers settings





Specifications

<b>Input</b>	Input	ADV-8948-16	up to 512 IP TS (MPTS/SPTS), 2x 100/1000M Ethernet ports (SFP optional)	
		ADV-8948-32	up to 1024 IP TS (MPTS/SPTS), 2x 100/1000M Ethernet ports (SFP optional)	
		ADV-8948-48	up to 1536 IP TS (MPTS/SPTS), 4x 100/1000M Ethernet ports (SFP optional)	
	Transport Protocol	TS over UDP/RTP, unicast and multicast, IGMP v2/v3		
Transmission Rate	Up to 840Mbps for each GE port			
<b>Multiplexing</b>		<b>ADV-8948-16</b>	<b>ADV-8948-32</b>	<b>ADV-8948-48</b>
	Input Channels	512	1024	1536
	Output Channels	16	32	48
	Max PIDs Remapping	180 per channel	256 per channel	256 per channel
	Function	PID remapping (automatically or manually) Accurate PCR adjustment Automatic PSI/SI table generation		
<b>Scrambling Parameters</b>	Max simulcrypt CA	4		
	Scrambling Standard	ETR289, ETSI 101 197, ETSI 103 197		
	Connection	Local/remote		
<b>Modulation</b>		<b>ADV-8948-16</b>	<b>ADV-8948-32</b>	<b>ADV-8948-48</b>
	QAM Channels	16 non-adjacent	32 non-adjacent	48 non-adjacent
	Modulation Standard	EN300 429/ITU-T J.83 Annex A and B (DVB-C)		
	Symbol Rate	5.0Msps~7.0Msps, 1ksps step		
	FEC	RS (204, 188)		
		J.83A	J.83B (DVB-C)	
	Constellation	16/32/64/128/256QAM	64/256 QAM	
Bandwidth	8M	6M		
<b>RF Output</b>	Interface	F-type connector		
	RF output frequency	50~960MHz, 1KHz step		
	RF output level	-20~+10dbm(87~117 dBμV), 0.1db step		
	MER	≥40db		
<b>IP Output</b>		<b>ADV-8948-16</b>	<b>ADV-8948-32</b>	<b>ADV-8948-48</b>
	Interface	2x 100/1000M Ethernet ports (SFP optional)	2x 100/1000M Ethernet ports (SFP optional)	4x 100/1000M Ethernet ports (SFP optional)



	TS	16 MPTS over UDP/RTP/RTSP, unicast/multicast	32 MPTS over UDP/RTP/RTSP, unicast/multicast	48 MPTS over UDP/RTP/RTSP, unicast/multicast
<b>System</b>	Remote management	Web (10M/100M)		
	Software Upgrade	Web		
<b>General</b>	Dimensions (W*D*H)	482mm×300mm×44.5mm		
	Weight	3.7kg		
	Temperature	0~45C (Operation) ; -20~80C (Storage)		
	Power supply	AC 100V±10%, 50/60Hz; AC 220V±10%, 50/60HZ		
	Consumption	25W		

**ORDERING INFORMATION**

- ADV-8948-16 - 16-Channel QAM Modulator**
- ADV-8948-32 - 32-Channel QAM Modulator**
- ADV-8948-48 - 48-Channel QAM Modulator**