

EQM3264 Edge QAM Modulator



The EQM3264 QAM modulator is a Multiplexing-scrambling-modulating all-in-one device. It has 32 QAM (DVB-C) modulating channels, and supports maximum 512 IP inputs through 6 data ports and Annex B adjacent carriers (50MHz~960MHz) output through 2 RF output ports. The EQM3264 is characterized with dual RF output ports which broaden the bandwidth for QAM carriers. The EQM3264 can be upgraded to 64 QAMs by license.

Features

- 6 GE inputs (4*RJ45, 2*SFP)
- Supports up to 512 IP inputs over UDP/RTP
- Max 840Mbps and 512 IP streams for each GE input
- Supports multiplexing with accurate PCR adjusting, CA PID filtering, PID remapping and PSI/SI editing
- Supports up to 256 PID remapping per channel
- Support DVB general scrambling system
- 32 adjacent QAM carriers output from 2 RF interfaces, compliant to QAM Annex B and ITU-T J.83
- Supports RS (204,188) encoding
- Support Web-based Network management
- Upgradeable 64 QAM Outputs
- Upgradeable to 64 QAM by License
- Optional COFDM Version

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Specifications

Input	Input	Max 512 IP inputs from 6*100/1000M Ethernet Port (4*RJ45, 2*SFP)	
	Transport Protocol	TS over UDP/RTP, unicast and multicast, IGMP V2/V3	
	Transmission Rate	Max 840Mbps for each GE input	
Mux	Input	512 IP streams	
	Output Channel	32 or 64	
	Max PIDs	256 per programs	
	Functions	PID remapping(auto/manually optional)	
		PCR accurate adjusting	
PSI/SI table automatically generating			
Scrambling Parameters	Max simulcrypt CA	6 CAS protocols	
	Scramble Standard	ETR289, ETSI 101 197, ETSI 103 197	
	Connection	Local/remote connection	
Modulation Parameters	Modulation Standard	EN300 429/ITU-T J.83A/B/C	
	Constellation	J.83A	Constellation :16/32/64/128/256QAM Bandwidth :8MHz
		J.83B/C	Constellation :64/256QAM Bandwidth :6MHz
	QAM Channel	32 adjacent channels, max 384Mbps bandwidth per RF output (optional 64 QAM channels)	
	Symbol Rate	5.0~7.0Msps, 1ksps stepping. 5057Ksps (J.83B, 64QAM) ; 5361Ksps (J.83B, 256QAM)	
	Constellation	16, 32, 64, 128, 256QAM	
	FEC	RS (204, 188)	
	RF Output	Interface	2 F female outputs
RF Range		50~960MHz, 1kHz increments	
Output Level		27~57dBmV (87~117dbμV)	
MER		≥ 40dB	
TS output	32 IP output over UDP/RTP/RTSP, unicast/multicast, 4*100/1000M Ethernet Ports (each port for 16 IP outputs)		
System	Web-based Network management		
General	Dimensions	19"x16.5"x1.75" (482mm×440mm×44.5mm) WxLxH	
	Weight	11 lbs (5 kgs)	
	Temperature	32~113°F (0~45°C)	
	Power Requirements	AC 100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz	