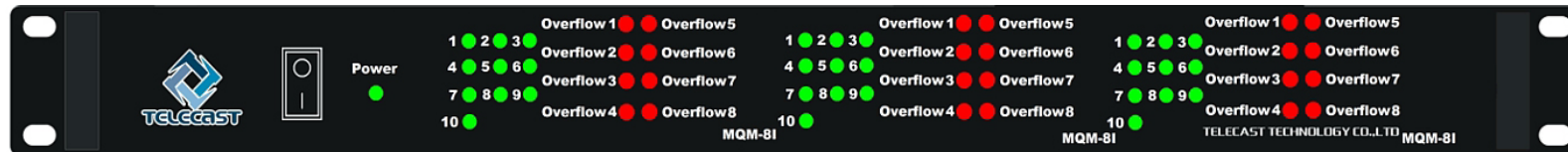


## MQM-8I 8 in 1 IP Mux-QAM



### Outline:

MQM-8I 8in1 IP Mux-QAM module is the latest generational QAM modulator with high integrated level and performance. The modular design of this device makes each of its daughter cards stand-alone when operating. Besides, each daughter card can receive the UDP format TS through GE port, furthermore, it supports up to 10 different IP address or port No. This device is combined 8 multiplexers with 10 channels inputs and 8 QAM (DVB-C) modulators, which can output adjacent channel RF carrier (48M~860M) through the two RF output interfaces (4 carriers for each). Additionally, the 1U chassis for this modulator supports up to 3 modules (24 channels QAM) while the 4U chassis supports up to 12 modules (96 channels QAM). This MQM-8I 8in1 IP QAM modulator has excellent integrated level, powerful performance and low cost, which is special adequate for the new generation CATV system.



### Features:

- Modular design, 1U chassis supports up to 3 modules and 4U chassis supports up to 12 modules
- Fully complying with EN300 429/ITU-T J.83A
- 2 GE ports support backup input, up to 10 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
- 8 QAM modulation carrier output, 4 adjacent channel carrier output, 2 RF output
- 16QAM, 32QAM, 64QAM, 128QAM, 256QAM modulation constellation optional
- 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



### Technical Specification:

<b>Input</b>		2 GE input, RJ45/SFP interface, hot backup
<b>Transport protocol</b>		TS over UDP, uni-cast and multicast, IGMP V2/V3
<b>Transmission code</b>		Max 108Mbps per channel Max 840Mbps amount channels
<b>Multiplexing</b>	Input channel	10
	Output channel	8
	Maximum PIDs	256 per input channel
	Functions	PID re-mapping( auto/manual optional)
		PCR fine-tuning
Automatic generating PSI / SI table		
<b>Parameters</b>	QAM channel	8
	Standard	EN300 429/ITU-T J.83A
	Symbol rate	5.0~7.0Msps, 1ksps stepping
	Constellation	16、 32、 64、 128、 256QAM
	FEC	RS(204, 188)

<b>RF output</b>	Interface	2 F type connectors, 4 carriers for each one, 75Ω impedance
	RF range	48~860MHz, 1kHz stepping
	Output ATT	-14dBm~6dBm( each output), 0.5dB stepping
	MER	≥ 40dB
	ACLR	-60 dBc
<b>System</b>	Supporting NMS	
<b>General</b>	Demission(WxLxH)	482mm×455mm×44.5mm
	Weight	6kg
	Temperature	0~45℃(operation), -20~80℃(storage)
	Power supply	AC 100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz
	Consumption	15.4W



System Structure Chart:

