

# INT2216-I IP MUX Scrambling QAM Modulator



## Product Outline

INT2216-I is a new generation of economical IP QAM modulator combining TS-over-UDP/RTP input, re-multiplexing, scrambling, and 16/32/64/128/256QAM modulation in a 1U unit. It supports up to maximum 1024 IP input through the GE port and 16 non-adjacent carriers, each QAM module supporting up to two Gigabit copper interfaces. Its pay-as-you-grow modular design, flexible configuration, very reliable with high performance, all of which are important to cable operators.

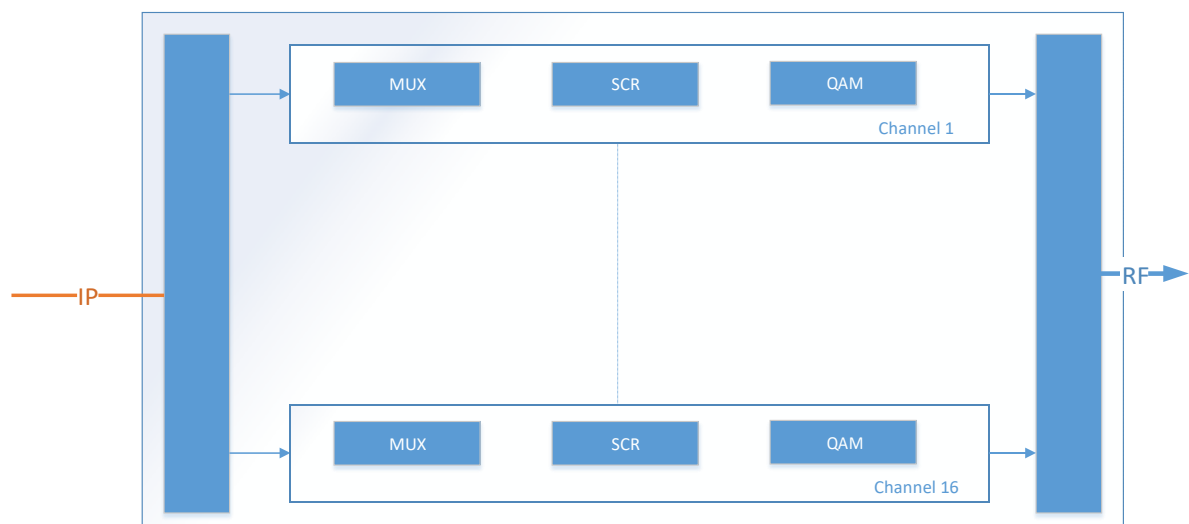
With INT2216-I, cable operators can be ensured that they will have a scalable, reliable product that enables them to offer high performance video stream services for years into the future. It can be used in cable central head-ends, remote head-ends and VOD networks.

# INT2216-I IP MUX Scrambling QAM Modulator

## Key Features

- 2 GE input, optical interface
- 16 non-adjacent QAM carriers output, compliant to DVB-C (EN 300 429) and ITU-T J.83 A/B/C
- Supports MPEG2 re-multiplexing and MPTS multiplexing\accurate PCR adjusting\CA PID filtering, remapping and PSI/SI editing
- RF output frequency range: 30~999Mhz, 1Khz stepping
- RF output level: -20dBm~+10dbm (per QAM carrier), 0.1db stepping
- Excellent RF performance, MER≥40db
- Support Web-based Network management

## Inner Principle



# INT2216-I

## IP MUX Scrambling QAM Modulator

### Specifications

<b>Input</b>	Interface	2 IP, 100/1000M Ethernet Port (Optical)
	Transport Protocol	Unicast and multicast, IGMP V2/V3, TS over UDP/RTP/RTSP
	Transmission Code	Max 840Mbps totally
<b>Mux</b>	Input Channel	1024
	Output Channel	16
	Max PIDs	180 per channel
<b>Scrambling</b>	Max simulcrypt CA	4
<b>Modulation Parameters</b>	QAM Channel	16 non-adjacent carrier
	Modulation Standard	Annex A: 16 /32 /64 /128 /256QAM Annex B: 64/256QAM Annex C: 32 /64 /128 /256QAM
	Symbol Rate	5.0~7.0Msps, 1ksps stepping
<b>RF Output</b>	Interface	1 output port for 16 carriers
	RF Range	30~999MHz, 1kHz stepping
	Output Level	-20dBm~+10dBm(87~117db $\mu$ V ), 0.1dB stepping
<b>System</b>	SNMP Network management software	
<b>General</b>	Demission	483mm x 44.5mm x 450mm 19'' x 1.73''(1RU) x 17.7''
	Weight	3.5kg