

GWD800 Digital IP to QAM Modulator

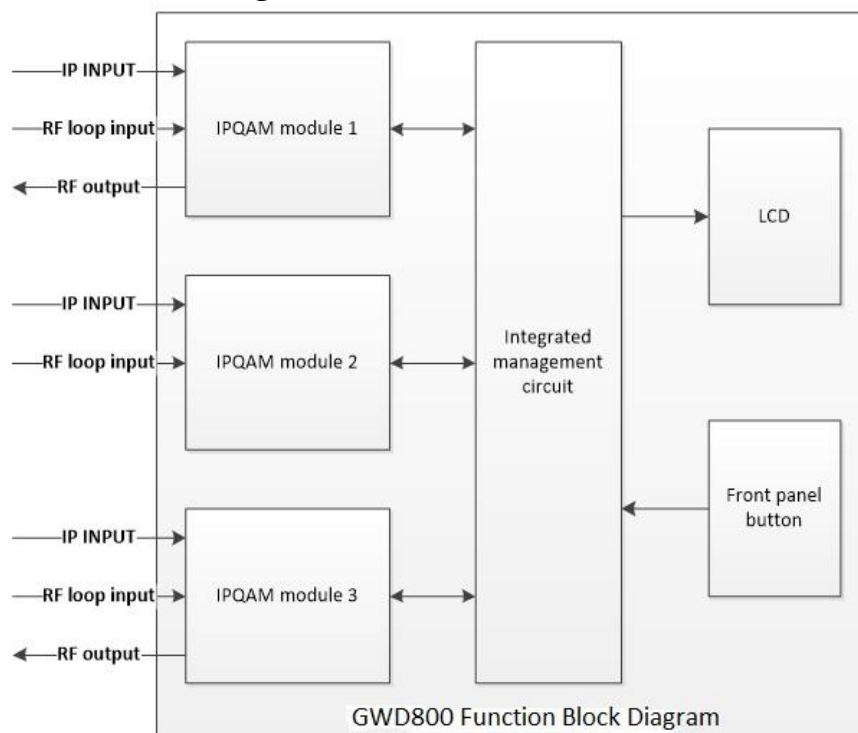
GWD800 is a digital IP to QAM modulator in 19" 1RU chassis. GWD800 consists of maximum 3pcs SKD180X modulator modules, each SKD180X module outputs 4 RF carriers, controlled either by the front panel LCD and buttons or by the network management port. The IP input supports UDP, IGMP V2/V3 and TS re-muxing. The RF output supports DVB-C (J.83A/B/C), DVBT, ATSC. GWD800 is ideal for the compact digital TV headend for hotels and communities.



FEATURES

- 19" 1U Rack with LCD and Front Panel Adjustment Button
- Supporting maximum 3 pluggable IPQAM modules
- IPQAM module has 1 gigabit IP input and 1 RF output with 4 frequency agile carriers
- IP Input supporting UDP, IGMP V2/V3
- Supporting TS re-muxing
- RF output supports DVB-C (J.83A/B/C), DVBT, ATSC.
- Output Frequency Adjustable between 50MHz and 1000MHz
- Local LCD setting or remote network management

Function Block Diagram



SPECIFICATIONS:

Items	
IP Input	
Video Encoding	Supporting MPEG 2 and H.264
Audio Encoding	Supporting AAC, MPEG1, MPEG2
Audio Sample Rate	Supporting 48KHZ/44.1KHZ/32KHZ
TS Format	Supporting MPTS and SPTS
Re-muxing	
Auto-generation PSI/SI tables	
Supporting PCR precise adjustment	
Supporting PID Mapping	
Modulation Parameters	
J.83A	Annex A Modulation
	Constellation: 32QAM,64QAM,256QAM
	MER>40Db
	Output Frequency: 50-1000MHz adjustable
	RF Level>45dBmV (0~20dB adjustable)
	Spurious Output: >60dB
	Symbol Rate: 5-6.900Msps
J.83B	Annex B Modulation
	Constellation: 64QAM,256QAM
	MER>40dB
	Output Frequency: 50-1000MHz adjustable
	RF Level>45dBmV (0~20dB adjustable)
	Spurious Output: >60dB
	Cable Standard: HRC, IRC or STD
	Symbol Rate: 5-6.900Msps
ATSC	8VSB Modulation
	MER>32dB
	Output Frequency: 50-1000MHz adjustable
	RF Level>45dBmV (0~20dB adjustable)
	Spurious Output: >60dB
DVB-T	DVB-T COFDM Modulation
	Bandwidth 6/7/8MHz
	Constellation: QPSK, 16QAM, 64QAM
	Code Rate: 1/2, 2/3, 3/4, 5/6, 7/8
	Guard Interval: 1/32, 1/16, 1/8, 1/4
	transmission mode: 8K
	MER>32dB
	Output Frequency: 50-1000MHz adjustable
	RF Impedance: 75 Ohm
	RF Level>45dBmV (0~20dB adjustable)
	Spurious Output: >60dB



Physical	
Product Size	19" 1RU
Operating Condition	-10℃ -45℃, 40%-70%
Storage Condition	-40℃ -70℃, 40%-95%
Weight	Maximum 10Kg
Power Voltage	100~240V AC 50/60Hz
Maximum Current	1.8A@115VAC 1A@230VAC

Ordering Information:

GWD800-Digital TV IP to QAM modulator

GWD800H 19" 1RU housing with power supply, management card and 3 slots

SKD180X Gigabit IP to QAM modulator module

X: A_Annex A, B_Annex B, S_ATSC T_DVB-T