DHP200B

10G IP QAM Processor

Product Overview

DHP200B 10G IP QAM processor is an all-in-one device developed by DEXIN. It integrates multiplexer, scrambler and modulator in one body with 64 (or 128) DVB-C QAM channels output through 2 (or 4) RF ports. With 10G switch built in, it can process 10G optical signal to work as a traditional QAM modulator.

The device is equipped with 1 (or 2) 64ch QAM card and characterized with dual RF output ports on each card to broaden the bandwidth for QAM carriers. Its high density helps operators to save cost to the most extent.
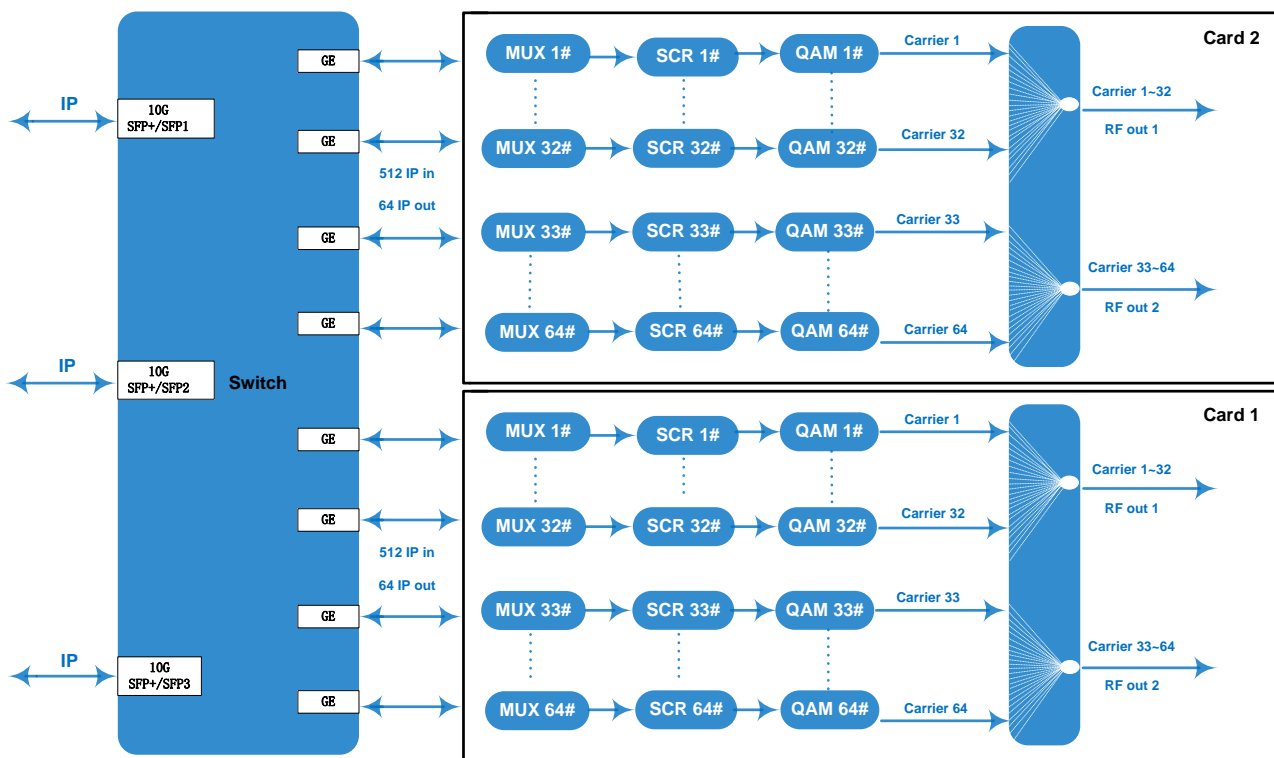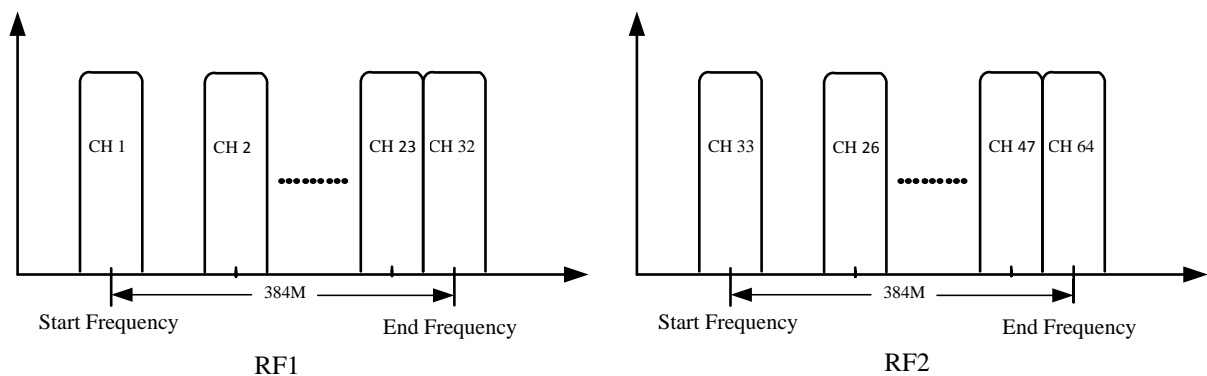
Key Features

- **Support 3 SFP+ (10G)/SFP(1G) ports input & output from front panel**

- **High density, modularized plug-in design, 1U chassis with two 64-channel QAM cards**

- **Support multiplexer and scrambler with 6 CAS Simul-cryption**

- **64/128 non-adjacent QAM carrier outputs (64 channels out per card)**

- **Supports accurate PCR adjusting/CA filtering, PID remapping and PSI/SI editing**

- **Web-based Network management**

Inner Principle Chart (two cards)

Carrier Setting Illustration (per card)

Specifications

Input	Input	Max 512 IP in per card through SFP+/SFP ports 1-3		
	Transmission Rate	Max 9600Mbps for each 10G SFP+/SFP input		
	Transport Protocol	TS over UDP/RTP, unicast and multicast, IGMP V2/V3		
Mux	Max PIDs Remapping	256 per output channel		
	Functions	PID remapping (auto/manually optional)		
		PCR accurate adjusting		
		PSI/SI table automatically generating		
Scrambling	Max simulcrypt CA	6		
	Scramble Standard	ETR289, ETSI 101 197, ETSI 103 197		
	Connection	Local/remote connection		
Modulation	Modulation Standard	EN300 429/ITU-T J.83A/B/C		
	Constellation	J.83A	Constellation :16/32/64/128/256QAM	
			Bandwidth :8M	
		J.83B/C	Constellation :64/256QAM	
			Bandwidth :6M	
	QAM Channel	64/128 non-adjacent carrier outputs, 384Mbps bandwidth for each RF port		
	Symbol Rate	3600~7000Ksps, 1ksps stepping 5057Ksps (J.83B, 64QAM) ; 5361Ksps (J.83B, 256QAM)		
	Constellation	16, 32, 64 , 128, 256QAM		
	FEC	RS (204, 188)		
RF Output	Interface (per card)	2 F type output ports for 64 carriers, 75Ω Carrier 1~32 out thru RF1, 33~64 thru RF2		
	RF Range	50~960MHz, 1kHz stepping		
	Output Level	-20dBm~+10dBm(87~117dbμV), 0.1dB stepping		
	MER	$\geq$ 40dB		
TS output	Per Daughter QAM Card	64 IP output over UDP/RTP/RTSP, unicast/multicast, through SFP+/SFP ports 1-3		
System	Web-based Network management			
General	Dimension	420mm×440mm×44.5mm (WxLxH)		
	Temperature	0~45℃(operation), -20~80℃(storage)		
	Power Supply	AC 100V±10%, 50/60Hz ; or AC 220V±10%, 50/60Hz		
	Consumption	50W(1 daughter QAM card）/75W(2 daughter QAM cards)		