

**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, GE SFP port on rear cards for option
- High density, modularized plug-in design, 1U chassis with two 64-channel QAM cards
- Support multiplexer and scrambler with 6 CAS Simul-cryption

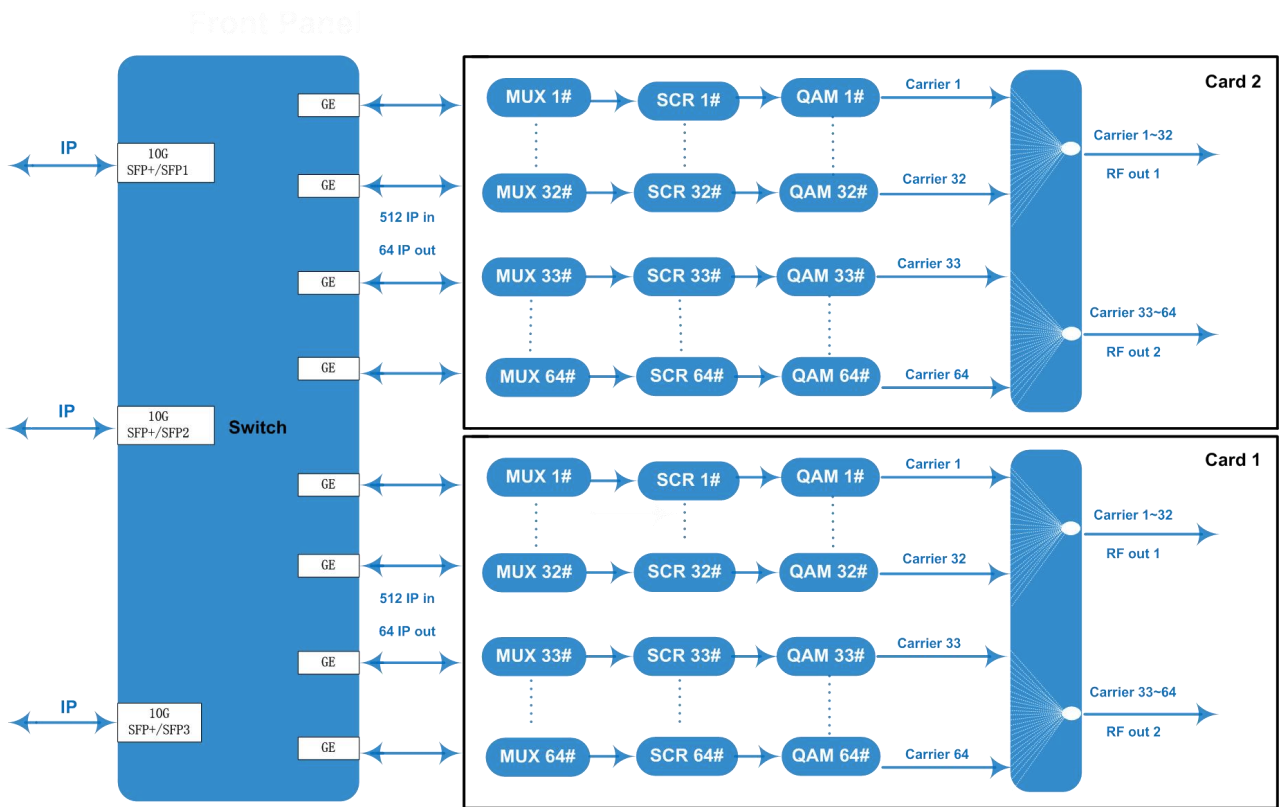


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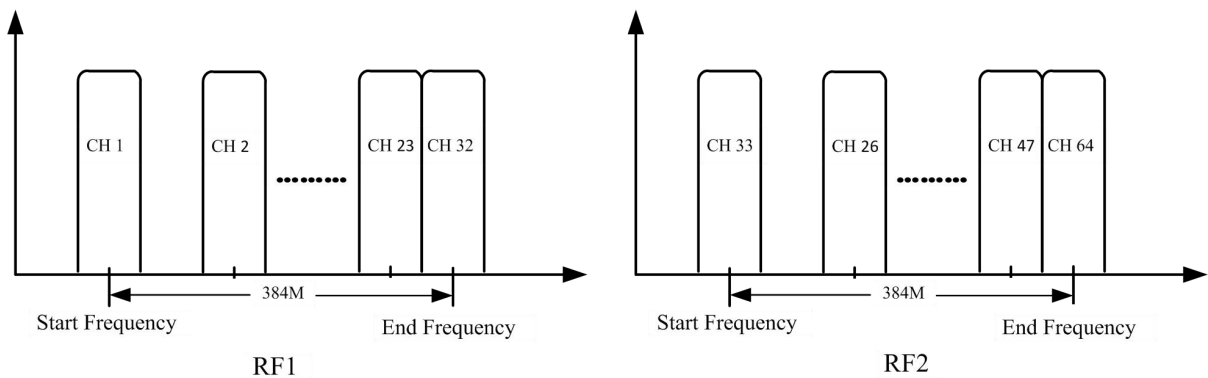
Address: No. 10 & No. 12, Wuxing Fourth Road, Wuhou District, Chengdu 610045, Sichuan, P.R. China  
www.dsdvb.com/English Tel: +86-028-85558928 Fax: +86-028-85585255 Email: sunyu@dsdvb.com

- 64/128 non-adjacent QAM carrier outputs (64 channels out per card)
- Supports accurate PCR adjusting/CA filtering, PID remapping and PSI/SI editing
- Redundancy power supply (optional as per order)
- Web-based Network management

### Inner Principle Chart (two cards)



### Carrier Setting Illustration (per card)



## Specifications

<b>Input</b>	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	
<b>Mux</b>	Max PIDs Remapping	256 per output channel	
	Functions	PID remapping (auto/manually optional)	
		PCR accurate adjusting	
		PSI/SI table automatically generating	
<b>Scrambling</b>	Max simulcrypt CA	6	
	Scramble Standard	ETR289, ETSI 101 197, ETSI 103 197	
	Connection	Local/remote connection	
<b>Modulation</b>	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)		
<b>RF Output</b>	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	≥ 40dB	
<b>TS output</b>	Per Daughter QAM Card	64 IP output over UDP/RTP/RTSP, unicast/multicast, through SFP+/SFP ports 1-3	
<b>System</b>	Web-based Network management		
<b>General</b>	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 Redundancy power supply (optional as per order)	
	Consumption	50W ( 1 daughter QAM card ) /75W(2 daughter QAM cards)	