



DHP200E

10G IP QAM Processor



Product Overview

DHP200E 10G IP QAM processor is an all-in-one device developed by DEXIN which integrates multiplexer, scrambler and modulator in one body with maximum 192 DVB-C QAM channels output. With 10G switch built in, it can process 10G optical signals to work as a traditional QAM modulator.

This processor is equipped with 3 card slots to load 32ch or 48ch or 64ch QAM card. Its high density helps operators to save cost to the most extent.

Key Features

- Support 4 SFP+ (10G)/4 SFP(1G) ports and 12 GE ports input & output from the front panel, SFP port 1-4 and GE port 1-4 are in the same working group (choose one to use from the corresponding SFP port and GE port) and 2 SFP ports input(optional) per daughter card (32/48/64 QAM)

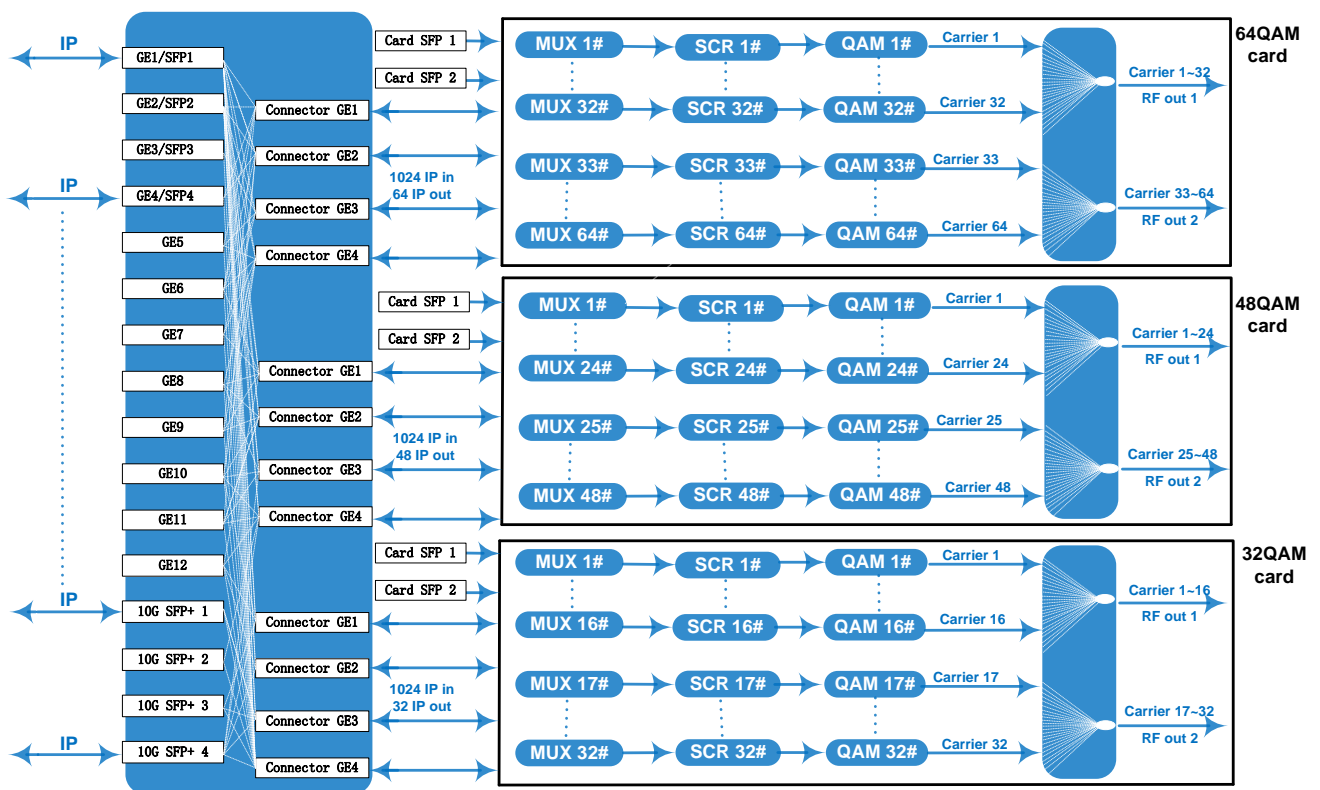


All the specifications are subject to change without any further notice. All rights reserved.

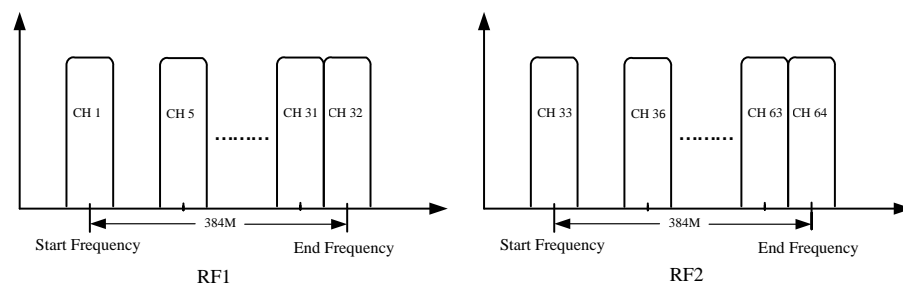
Address: No. 10 & No. 12, Wuxing Fourth Road, Wuhou District, Chengdu 610045, Sichuan, P.R. China
Website: www.dsdvb.com/English | Tel: +86-028-85558928 | Fax: +86-028-85585255 | Email: sunyu@dsdvb.com

- High density, modularized plug-in design, 1U chassis with max 3 QAM cards
- Support multiplexer and scrambler with max 6 CAS Simultaneous Encryption
- Maximum 192 non-adjacent QAM carriers output
- Flexible combination of 32QAM/48QAM/64QAM card
- Supports accurate PCR adjusting/CA filtering, PID remapping and PSI/SI editing
- Input Port/IP Backup function
- Web-based Network management
- 1*220VAC or 2*220VAC not hot-swapping PSU option

Inner Principle Chart (Example: one 64qam card + one 48qam card + one 32qam card) with SFP ports in card



Carrier Setting Illustration (Example: 64qam card)



Specifications

Input	IP Input	Max 1024 IP inputs per card through 4 SFP+, 4 SFP and 12 GE ports in the front panel and 2 SFP ports in the card itself	
	Transmission Rate	Max 9600Mbps for each 10G SFP+ input/Max 960Mbps for each GE and 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	32/48/64/80/96/112/128/144/160/176/192 non-adjacent carriers output, 384Mbps bandwidth for each RF port	
	Symbol Rate	3600~7200Ksps, 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 32/48/64 carriers card, 75Ω. 32ch/48ch/64ch qam card : Carrier 1~16/1~24/1~32 out thru RF1, 17~32/25~48/33~64 thru RF2	
	RF Range	50~960MHz, 1kHz stepping	
	Output Level	-20dBm~+10dBm(87~117dbμV), 0.1dB stepping	
	MER	≥ 40dB	
TS output	Per Daughter QAM Card	32/48/64 IP output over UDP/RTP/RTSP, unicast/multicast, through 4 SFP+ ports, 4 SFP ports and 12 GE ports in the front panel	
System	Web-based Network management		
General	Dimension	480mm×440mm×44.5mm (W×L×H)	
	Temperature	0~45℃(operation), -20~80℃(storage)	
	Power Supply	AC 100V±10%, 50/60Hz ; or AC 220V±10%, 50/60Hz	
	Consumption	About 200W (3 daughter QAM cards)	

Major Technical Comparison

	DHP200D	DHP200E
Card Number	Max 2	Max 3
SFP+/SFP/RJ45 ports in the front panel	3 SFP+(10G)/SFP(1G) ports and 2 GE ports	4 SFP+ (10G)/4 SFP(1G) ports and 12 GE ports
Max Carriers number	112	192
Inner connector GE ports	6	12
DATA Port in card	Depends on card spec	2 SFP ports as input per card (optional)

Order Guide

- **Card Type Option: 32, 48 or 64 QAM card**
- **Card Number Option: 1, 2 or 3 pcs**
- **SFP ports option in card: With or Without**
- **PSU option: 1*220VAC or 2*220VAC not hot-swapping PSU**



All the specifications are subject to change without any further notice. All rights reserved.