

# PLATINIUM

- FW4



asi



S or S2 or C

## Outline

PLATINIUM FW4 4 in 1 QAM is a cost effective integrated QAM modulator newly designed by Fiberwaves Company. This device is integrated up to 4 channel QAM modulating carrier outputs, in which each carrier has independent signal channel encoding and direct RF output. Therefore, the device is featured with excellent RF performance index. It supports 4 channel ASI inputs (4 QAM (J.83 A/B/C), 4 DVB-S tuner input or 4 DVB-S2 tuner input). Alternatively, this device can take various RF inputs of DVB-S/DVB-C/DVB-S2 signals by installing the relevant build-in tuners. Hence, one PCS 4 in 1 QAM modulator can work as 4 standalone QAM modulators, significantly reducing the network operators' head-end cost. FW4 can also support local and remote control to set its working parameters.



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## Feature

- Fully comply with DVB-C (EN300 429) and ITU-T J.83A/B/C;
- 4 adjacent channel QAM carrier wave
- 4 channels ASI input (4 QAM (J.83 A/B/C), 4 DVB-S tuner input or 4 DVB-S2 tuner input) and support 188/204 byte TS packet
- DVB-S/DVB-S2/DVB-C RF input (optional)
- Support accurate PCR adjusting
- Support five QAM constellation (ITU-T J.83A) modes: 16/32/64/128/256 QAM,
- Support QAM constellation (ITU-T J.83B/ITU-T J.83C) modes: 64 /256QAM
- Symbol rate adjustment range: 5.0Mbps~9.0Mbps
- Support PSI/SI editing function
- RF output range: 30MHz~960MHz in 1.0 kHz step
- RF ATT range: -16dBm~0dBm in 0.5dB step
- Support input de-multiplexing and PSI/SI editing
- Support LCD display and keyboard
- Excellent RF output performance index, MER $\geq$ 40db
- Support network management (NMS/SNMP)

## Specification

Input	4 ASI input	<b>FW4A</b>
	4 DVB-C tuner input	<b>FW4-C</b>
	4 DVB-S tuner input	<b>FW4-S</b>
	4 DVB-S2 tuner input	<b>FW4-S2</b>

Modulation parameters	QAM channel	4
	Standard	DVB-C(EN300 429)and ITU-T J.83A/ ITU-T J.83B/ ITU-T J.83C
	Symbol rate	5.0~9.0Mbps, 1kbps stepping
	Constellation	16 / 32 / 64 / 128 / 256QAM
	FEC	RS(204, 188)
RF Output	Interface	F type, 75Ω impedance
	Frequency range	30~960 MHz, 1khz stepping
	Output level	-16dbm~0dbm(per QAM carrier) 0.5db stepping
	MER	≥ 40db
	ACLR	- 55 dBc
System		
	Support Software Upgrading through Ethernet	
General	Dimensions(W×L×H)	482mm×455mm×44.5mm
	Approx weight	3.2Kg
	Temperature range	0~45℃(Operating),-20~80℃(Storage)
	Power Requirements	AC 110V ±10%, 50/60Hz AC 220V ±10%, 50/60Hz
	Power consumption	≈25W

## Order information

	FW4-A	FW4-C	FW4-S	FW4-S2
ASI input	●			
QAM(J.83 A/B/C) input		●		
DVB-S input			●	
DVB-S2 input				●