

PLATINIUM

- FWQPSK-A-modulator



Outline

The PLATINIUM FWQPSK-A-modulator DVB-S modulator is a high performance modulator developed according to

DVB-S standard which is the standard of the European broadband satellite telecommunication. This modulator adopts the advanced channel coding technology and it has powerful receiving ability. Besides the RF output is on the L wave band, so the FWQPSK-A-modulator DVB-S

modulator can be used for Broadcasting, Interactive Services, News Gathering and other Broadband satellite applications.

Features

- Compliant to DVB-S (EN300 421) standard
- Supports symbol rate of 0.05~45.0Msps
- Supports QPSK modulation constellation
- Supports FEC rate: 1/2, 2/3, 3/4, 5/6, 7/8
- Supports 2 ASI inputs hot backup with loop out
- 1 external 10MHz reference clock input
- RF output frequency range: 950~2150MHz
- Excellent RF performance, $MER \geq 36$ db
- Constant temperature crystal oscillator, as high as 0.1ppm stability.
- Supports LCD/Keyboard and network management(NMS)

Specification

Input		
	1 external 10MHz reference clock input , BNC interface	
Modulation	Standard	DVB-S (EN300 421)
	Symbol Rate	0.05~45.0Msps
	Constellation	QPSK
	External FEC	RS (204,188)
	Internal FEC	1/2, 2/3, 3/4, 5/6, 7/8
	Roll-off factor	0.2 , 0.25 , 0.35
RF output	interface	N type , 50 Ω impedance
	Frequency range	950~2150Mhz , 1khz step
	Output level	-31.5dbm~0dbm , 0.5db stepping
	MER	\geq 36db
System	LCD/keyboard operation, net management(NMS)	
	Software updating through network	
General	Dimension (WxLxH)	482mm×455mm×44.5mm
	Weight	3.1kg
	Temperature	0~45°C (Working) , -20~80°C (Storage)
		15.4W

