PLATINIUM

FW IP-IP Octo Mux Scrambler
8 Programs IP to IP Multiplexer Scrambler

Outline

OX318 IP Mux-Scrambler is the latest multiplexing and scrambling device with high integration and powerful function. The modular design of this device makes each of its Slave cards as one device when operating. Besides, each Slave card can receive the UDP format TS through GE port. Furthermore, it supports up to 256 different IP address, integrates 8 multiplexers and 8 scramblers, which can output UDP format TS through the GE port. Additionally, 1U chassis can support maximum 3 modules (24 channels multiplexing and scrambling), and 4U chassis can support maximum 12 modules (with 96 channels multiplexing and scrambling). In a conclusion, its high integration, high performance and low cost design makes this device widely used in the new generation of CATV broadcasting system.

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Features

- Dual Power Supply

- Module design, 1U case can support maximum three modules

- Fully supports DVB general scrambling system description—the ETR289, and simulcrypt standards-- ETSI 101 197 and ETSI 103 197

- 1 GE port input support maximum 256 IP input and network de-jittering

- 1 GE port output, support UDP protocol, unicast, multi-cast and IGMP V2/V3

- The maximum bit-rate of single IP input is 108Mbps, and the total input bit-rate is 840Mbps

- Supports maximum 8 output and multiplexing channels per module

- Supports any input channel to any output channel multiplexing, and the maximum PID mapping of each channel is 180

- Supports PCR accurate adjustment

- Supports PSI/SI inserting and editing

- Supports 8 channel scrambling, and each scrambling channel can simultaneously support 4 simulcrypt CA

- Supports NMS operation

Specifications

Input	Interface	2 GE inputs, RJ45 or SFP interface, hot backup
	Transport Protocol	TS over UDP, Unicast and Multicast, IGMP V2/V3
	Transmission Bit-rate	Max 108Mbps of each channel Max 840Mbps of all channels
Multiplexing	Input channel	256 channels of IP
	Output channel	8
	Maximum PID	180 per channel
	Function	PID re-mapping (automatically or manually)
		PCR accurate adjusting
		Generate PSI/SI table automatically

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Scrambling parameters	Maximum simulcrypt CA	4
	Standard	ETSI 101 197,ETSI 103 197
	Connection mode	Local/ remote connection
IP output	Interface	2 GE output, RJ45 or SFP interface
	Format	TS over UDP
	Code rate	1-64Mbps of each channel
System	Supports NMS	
General	Dimension(WxLxH)	630mm×440mm×44.5mm
	Weight	9 kgs
	Temperature	0~45℃(working), -20~80℃(storage)
	Power supply	AC 100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz
	Power consumption	15.4W

Principle Chart