Youxin

TS RE-Multiplexer (with IP output)
WDM4140

Features

◇Up to eight DVB-ASI inputs

◇Up to 108Mbps bit rate for each DVB-ASI input (cover both data packets and data burst transmission format)

◇2 x dual independent DVB-ASI outputs with continuous adjustable output bit rate range from 0Mbps to 108Mbps （1Kbps step）

◇10/100/1000Mbps Auto-Negotiation IP output（2 IP outputs）

◇Zero jitter on Gigabit output

◇PSI/SI tables regeneration, rank the programs by Service_ID (program_number) or Logical Mapping

◇PID filtering and re-mapping

◇PCR correction

◇Local keyboard control and LCD display, or access via Ethernet link

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Description

The WDM-4140 is a new compact (1RU only) chassis and cost-effective DVB-ASI re-multiplexer with IP output, which is designed by Ningbo Youxin according to the DVB related standards. The WDM-4140 has eight DVB-ASI inputs and two dual independent DVB-ASI outputs. The maximum input rate up to 108Mbps on each input, and output rate is adjustable from 0Mbps to 108Mbps according to different requirements. The WDM-4140 also supports 10/100/1000BASE-T IP output with rate auto-negotiation. The WDM-4140 has very convenient and friendly management interface, the user can complete all operation via local keyboard and LCD display on device, or access through the connection between the Ethernet port on device and the management computer.

Recommended Operating Conditions

Stress in excess of the maximum absolute ratings can cause permanent damage to the device (See Table 1)

Table 1 – Recommended Operating Conditions

Parameter	Symbol	Min.	Max.	Unit
Supply Voltage Note	V	90	250	V
Supply Frequency	F	49	51	Hz
power consumption	C		25	W
Ambient Operating Temperature	Tw	0	+50	° C
Storage Temperature	Ts	-25	+55	° C
Operating Humidity	H	10	75	%

Note: Support both 110V and 220V supply voltage standards, but please let us know which one do you need when you release order

Specifications

Table 2 – Technical Specifications

Parameter	Symbol	Description	Unit	Remark
Mechanical dimension				

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Height	H	42	mm	About 1U
Width	W	434	mm	About 17"
Depth	D	340	mm	
ASI Input				
Number of ASI input	-	8		
Impedance	-	75	W	
Connector	-	BNC	NA	
Maximum bit rate	-	108	Mbps	
TS packet format	-	188 or 204	Byte	Automatic detection
Transmission format	-	Data packet or data burst	NA	
ASI Output				
Number of ASI output	-	4		
Impedance	-	75	W	
Connector	-	BNC	NA	
Effective bit rate	-	0~108	Mbps	Continuous adjustable
TS packet format	-	188 or 204	Byte	
Transmission format	-	Data packet	NA	
IP Output				
Type		10/100/1000BASE-T	MHz	Auto-Negotiation
Connector		RJ45		
Max. bitrate		1.25	Gbps	
Max. throughput		108	Mbps	
Compatible protocol		IP V4, UDP, ARP		Support Multicast/ Unicast

Applications

◇ Re-multiplex for all DVB program Transport
Stream related application

◇ TS Over IP headend