

**TS Re-multiplexer with IP output
WDM4100B**

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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)
- ◇ Dual DVB-ASI outputs with continuous adjustable output (1Kbps step)
- ◇ 10/100/1000Mbps Auto-Negotiation IP output
- ◇ Zero jitter on Gigabit output
- ◇ Powerful PSI/SI tables management platform, rank the programs by program_number (service_id) or Logical Mapping
- ◇ PID filtering and re-mapping, Max. number of PID up to 256
- ◇ PCR correction
- ◇ Local keyboard control and LCD display, or access via Ethernet link
- ◇ TS packet format input automatic detection and output configurable (188 or 204 bytes)
- ◇ Real-time statistics of output TS bit rate



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Description

The WDM-4100B 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-4100B has eight DVB-ASI inputs and two DVB-ASI outputs, the maximum input rate up to 108Mbps, and output rate is adjustable from 0Mbps to 108Mbps according to different requirements. The WDM-4100B also supports 10/100/1000BASE-T IP output with rate auto-negotiation. The WDM-4100B has very convenient 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 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 <small>Note</small>	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



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Parameter	Symbol	Description	Unit	Remark
Mechanical dimension				
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	-	2		
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