

8 Channel 2 output TS RE-Multiplexer

The 8 Channel 2 output TS RE-Multiplexer is a new compact (1RU only) chassis and cost-effective DVB-ASI re-multiplexer with IP output, which is designed according to the DVB related standards. The 8 Channel 2 output TS RE-Multiplexer 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 8 Channel 2 output TS RE-Multiplexer 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.



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
- TS packet format input automatic detection and output configurable (188 or 204 bytes)
- Real-time statistics of output TS bit rate
- Automatic empty packet stuffing and fixed bit rate output
- Memory protection for power-fail

Application

- Re-multiplex for all DVB program Transport Stream related application
- TS Over IP headend

Compliant

- EN 50083-9
- ISO/IEC 13818-1
- ETSI TR 101 154
- ETSI TR 101 891
- IEEE802.3

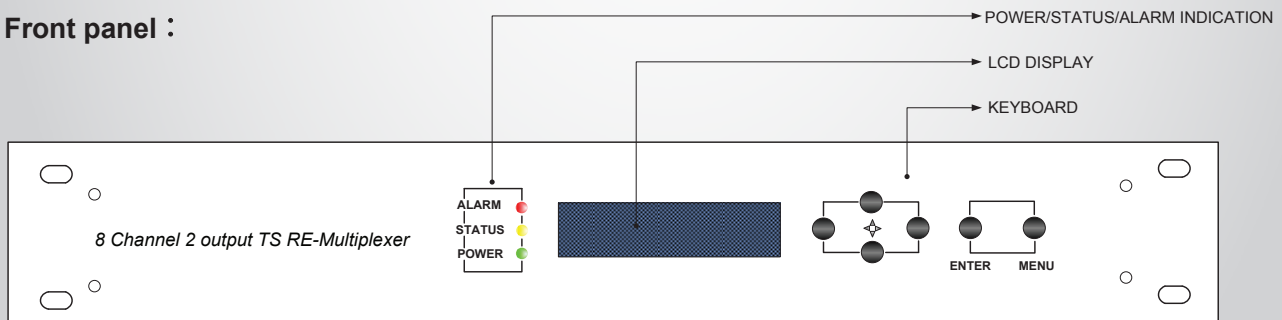


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Table 2 – Technical Specifications

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		
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		
Connector	-	BNC	NA	
Effective bit rate	-	0~108	Mbps	Continuous adjustable (1Kbps interval)
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	-	216	Mbps	
Compatible protocol	-	IP V4, UDP, ARP		Support Multicast/ Unicast

Front panel :



Rear panel :

- | | | | |
|---|-------------------|---|--------------|
| ① | Grounding | ④ | 10/100BASE-T |
| ② | Power and Switch | ⑤ | ASI Output |
| ③ | 10/100/1000BASE-T | ⑥ | ASI Input |

