

**Features**

- ◇ Support 2 to 4 CA Simulcrypt, compatible with multiple conditional access systems
- ◇ Support 2 ASI input interface and able to re-multiplex and scrambling single or multiple programs
- ◇ Input valid bit rate for ASI channel: 216Mbps (max)
- ◇ 10/100/1000Mbps Auto-Negotiation IP output (IP modules optional)
- ◇ PCR correction
- ◇ Filling null packet automatically, output bit rate invariableness
- ◇ NIT and TDT information can be edited and inserted
- ◇ Failure alarming
- ◇ Memory protection for power-fail
- ◇ TS packet format input automatic detection and output configurable (188 or 204 bytes)
- ◇ Local keyboard control and LCD display, or access via Ethernet link



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**Description**

WDS-6100B is a new compact (1RU only) chassis and cost-effective DVB simulcrypt scrambler. WDS-6100B has 2 ASI inputs (Max. bit rate of each channel up to 108Mbps), 2 ASI loop outputs and 2 ASI outputs. The WDS-6100B 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 Ethernet port on device.

***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

Parameter	Symbol	Description	Unit	Remark
<b>Mechanical dimension</b>				
Height	H	42	mm	About 1U
Width	W	434	mm	About 17"
Depth	D	340	mm	
<b>ASI Input(with loop output)</b>				
Number of ASI input	-	2		
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	
<b>ASI Output</b>				
Number of ASI output	-	2		
Impedance	-	75	W	
Connector	-	BNC	NA	
Effective bit rate	-	≤216	Mbps	
<b>IP Output</b>				
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		

### Applications

- ◇ Digital TV headend system
- ◇ Scrambling for DVB programs