



WDS-6100B

Standard scrambler

■ **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.

■ **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 (optional; support MPTS and 8xSPTS)
- PCR correction
- Filling null packet automatically, output bit rate invariableness
- NIT 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

■ **Application**

- Digital TV head-end system
- Scrambling for DVB programs

■ **Compatible**

- EN 50083-9
- ETSI TR 101 154
- ETSI TR 101 891
- EN 300 429
- ITU-T J.83A

■ 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.

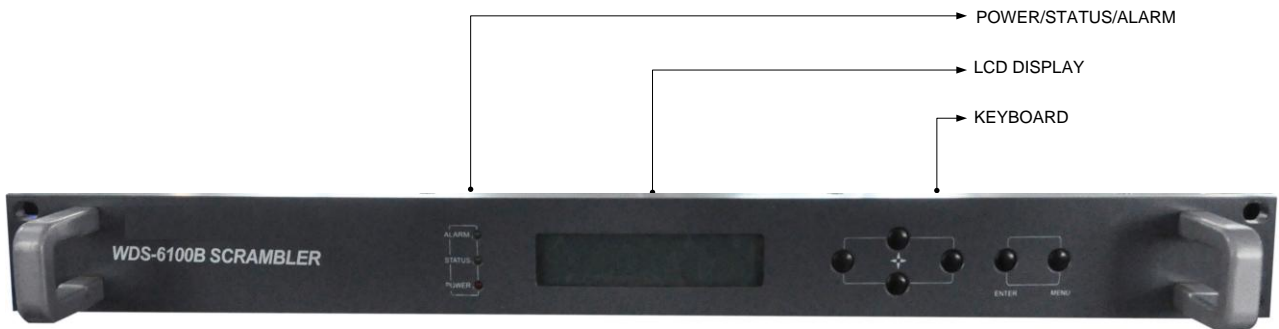
■ Specifications

Table 2 – Technical Specifications

Parameter	Symbol	Description	Unit	Remark
Mechanical dimension				
Height	H	42	mm	About 1U
Width	W	434	mm	About 17"
Depth	D	340	mm	
ASI Input(with loop output)				
Number of ASI input	-	2		
Impedance	-	75	Ω	
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	Ω	
Connector	-	BNC	NA	
Effective bit rate	-	≤216	Mbps	
IP Output				
Type	-	10/100/1000BASE-T	MHz	Auto-Negotiation
Connector	-	RJ45		
Compatible protocol	-	IP V4, UDP, ARP		

■ Panel Diagram

Front panel:



Rear panel:

