

## WXM-860SL

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WXM-860SL Transmux Modulator



### Features

- ▲ 4 in 1 Transmux Modulator, including ASI & DVB-S/S2 receiver, Multiplexer, QAM Modulator and RF up converter functions.
- ▲ Meet DVB-S/MPEG-2 broadcasting.
- ▲ Dual ASI receiver.
  - Automatic incoming bit rate detection
  - Automatic packet detection (188/204)
  - Supports continuous and burst packet mode
- ▲ Dual DVB-S receiver (optional DVB-S2).
  - Supports up to 5MHz frequency drift search
  - Supports wide range of symbol rate drift search
  - Supports C band and Ku band
- ▲ Multiplexer.
  - PID filtering/edit / Delete/mapping available
  - PCR correction( high precision ) available
  - Supports automatic PID assignment/mapping
  - User-friendly front panel interface to setup the multiplexer
  - Supports network monitoring and remote control
  - EIT time adjustment according to local time zone
  - Supports Network Information Table (NIT) injector
  - Service/service provider name can be edited
- ▲ QAM Modulator.
  - Supports 32/64/128/256 QAM constellation
  - Supports ITU-T J.83A and B modes
  - Flexible interleaver depth control in ITU-T J.83B mode
  - Various IF frequency support
  - High MER and low bit error rate
- ▲ RF up converter.
  - 47~862MHz output frequency agility
  - 60 dBmV output level with Hybrid module IC
  - Optional RF output by channel/frequency step (each 250 kHz)
  - Low out-of-band noise and high VSB attenuation
  - Double PLL synthesized channel control

## ► Technical Specifications |

### ▲ QPSK RF INPUT

Frequency Range	950MHz to 2150 MHz
Input Level	-65dBm ~ -25 dBm
Input Impedance	75 Ohms
Mode	DVB QPSK
FEC VITERBI Rate	Auto Scan. 1/2, 2/3, 3/4, 5/6, 7/8
Symbol Rate	2 Msps to 45 Msps
Input Impedance	75 Ohms
Connector	F-Type Female

### ▲ DVB-ASI INPUT

Link character length	10 bit
Bit rate on link	270 M bit/s
Useful data rate	1 M bits/s to 54 M bit/s
Max. Input Voltage	880 mV p-p
Data packet length	188 bytes or 204 bytes
Max. MPEG-2 bit rate	216 M bits/s
Connection medium	Coaxial cable
Input Impedance	75 Ohms
Connector	BNC

### ▲ QAM MODULATION

ITU-T J.83 Annex	A/B (i.e. DVB and Digicipher-II )
Modulation Mode	QAM-16, 32, 64, 128, 256
Bit Rate	54 M bit/s
Symbol Rate	1 ~ 6.95 Msps
Roll Off	15%
MER	37 dB typical
SNR	40 dB typical
Carrier Suppression	53 dB typical
FEC	ITU-T J.83A/B
Full Compliance	With DVB-C ETSI/EN300 429
Phase Noise	@10KHz -91 dB C

#### ▲ CABLE RF OUTPUT

Frequency Range	47MHz to 862MHz
Bandwidth	7 / 8 MHz (PAL)
Output Level	≧ 60dB mV
Output Level Adjust	≧ 15 dB
Spurious	≧ 55 dB C
Out-of-band Noise	60 dB typical
CNR	60 dB typical
Frequency Accuracy/Stability	±5KHz
Output Impedance	75 Ohms
Connector	F-Type Female

#### ▲ LNB POWER

Voltage	OFF, 13V or 18V ±10%
Current	500mA max
Tone Frequency	OFF or 22kHz

#### ▲ CONTROL INTERFACE

Communication Interface	Ethernet
Electrical Interface	IEEE 802.3 10 Base-T/100 Base-TX
Data Link	Max 100Mbps
Connector type	RJ45

#### ▲ GENERAL

Operating Temperature Range	0°C ~ 50°C
Power Requirement	90 ~ 260 VAC, 50/60 Hz.
Real size of the unit	482(W) x 283 (D) x 44 (H) mm.
Dimensions	608(W) x 328 (D) x 84(H) mm.
Packing	1 set/Inner box, Gross Weight: 3Kgs. 5 PCs/ Carton / 16Kgs/ 625 (W) x 348 (D) x 456 (H) mm /
Measurement	578(L)x375(W)x72(H)mm
Gross Weight	3Kgs.