

INGRON4502TS Multiplexer-Scrambler AIO



Feature

- Compliant with ISO13818 & EN300468 standard
- DVB common scrambling system(ETR289) supported, simulcrypt standards ETSI 101 197 & ETSI 103 197
- Highly integrated multiplexing and scrambling in one unit
- Function of re-multiplexing of 2-channel TS, configured with 2*ASI+2*ASI(backup) interfaces
- Built-in PCR capability
- Functions of PID filtering & re-mapping
- Up to 4 different simulcrypt CAS supported
- Equipped with empty packets filtering of IP out
- TS over IP output in UDP protocol, unicast and multicast modes available
- Providing PSI/SI compilation and NIT, LCN insertion
- Alarming function
- Easy-operation by LCD and keyboard on front panel
- Remote control by SNMP

Specifications

Input

Input interface	6*Tuner+2*ASI (Tuner in DVB-S/S2, DVB-C, or ISDB-T mode) (item INGRON4502TS -T) 8*ASI (item INGRON4502TS -A) optional
MPEG Frame	188/204 byte, automatic adaption

Re-Multiplexing

Two Channels TS Re-Multiplexing
PID re-mapping (auto/manual optional)
Providing PSI/SI compilation and NIT, LCN insertion
PCR accurate adjusting
PID Output range 0x0000~0x1FFF

Scrambling

Simul-crypt CA	Up to 4*CA
Standard	ETR289, ETSI 101 197, ETSI 103 197
Connection	Local and Remote connect scrambling

Output

ASI Output	Number	2*ASI+2*ASI(backup)
	Standard	EN 50083-9 ASI
	Output Bit Rate	Max. 170 Mbps
	MPEG Frame	188/204 byte
	Reflection Loss	>10 dB
	Connector Type	75 Ω, BNC interface
IP Output	Protocol	TS over IP output, UDP protocol
	IP Output Channel Qty.	2*MPTS (as mirror of ASI output)
	Mode	Unicast and multicast
	Connector Type	RJ45, Gigabit Ethernet(1000M)

Management

Local Control	by keyboard or LCD on front panel
Upgrading	by Ethernet software
Remote Control	by SNMS
Language	English

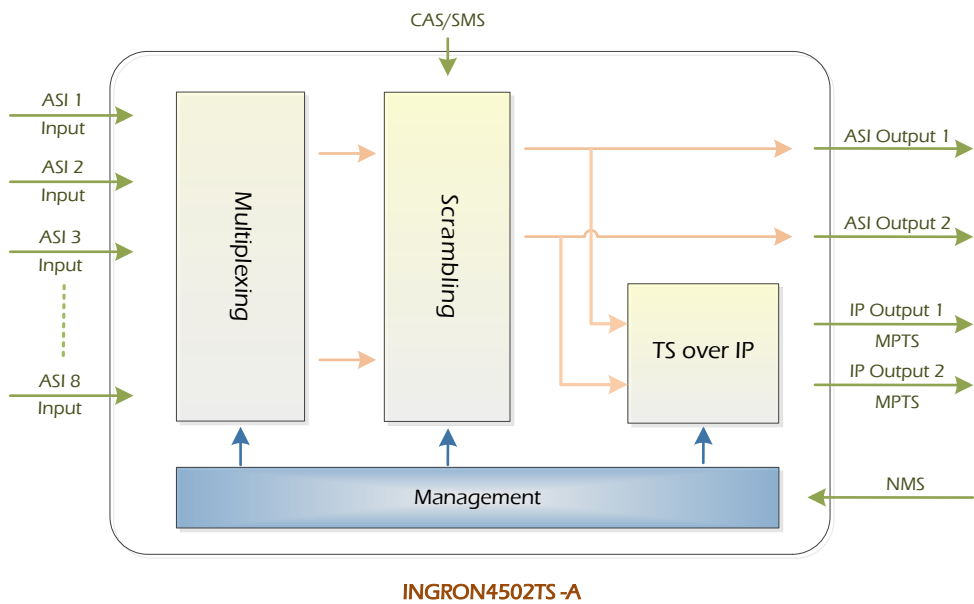
General

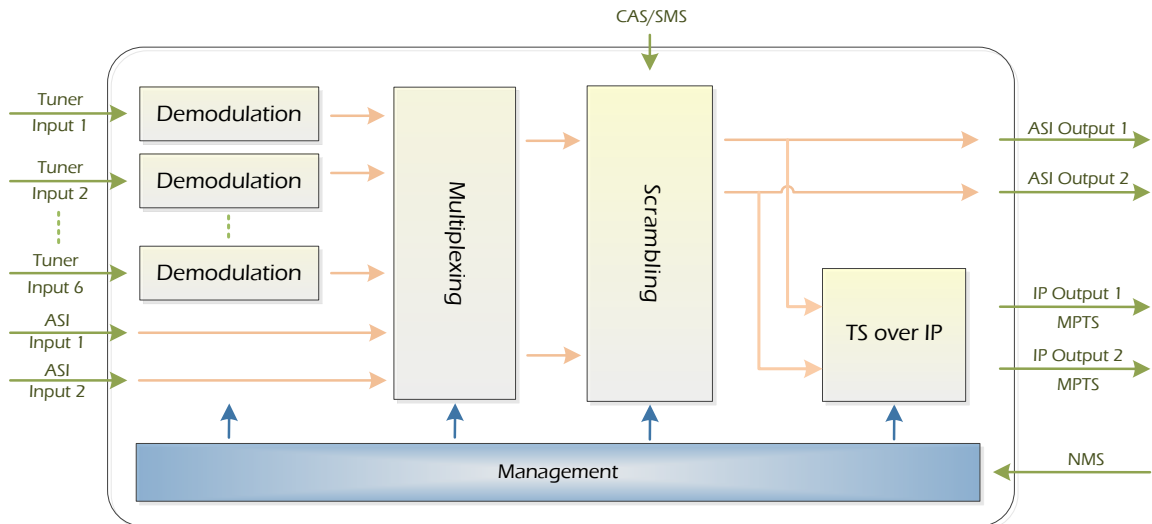
Voltage	100~240V AC, 50/60Hz
Power Consumption	18.0 W
Environment	0~45°C (Operation), -20~80°C (Storage)
Dimension (W*D*H)	482*405*44 mm
Gross Weight	4.0 KGS

Introduction

INGRON4502TS Tuner&ASI-In(RTS4502-A ASI input) Multiplexer-Scrambler is a high-quality device, which is configured with multiplexing and scrambling modules in one unit. This unit has input choices of 6*Tuner+2*ASI(INGRON4502TS) or 8*ASI(INGRON4502TS-A), and provides output of 2*ASI+2*ASI(backup)+2*TSolP. IP output is of Gigabit Ethernet(1000M), capable of transporting 2*MTPS(sharing one data port, in mirror of 2*ASI), and unicast & multicast can be optional. Max. 4 different CA simulcrypt is supported. Besides, this multiplexer-scrambler is also equipped with more functions, such as PSI/SI generating and editing, re-multiplexing, PID re-mapping, PCR accurate adjusting, etc.. With high integration, excellent performance and competitive cost, INGRON4502TS(-A) is widely used in CATV broadcasting system, digital TV head-end projects and so on.

Diagram





INGRON4502TS-T

Rear Panel



Options

	INGRON4502TS-T	INGRON4502TS-A	INGRON4502TS-T	INGRON4502TS-A
Input interface	6*Tuner+2*ASI	8*ASI	6*Tuner+2*ASI	8*ASI
Multiplexing	YES	YES	YES	YES
Scrambling	YES	YES	/	/
IP output	YES	YES	YES	YES