

Datasheet



COD912IPE
Compact Size 4-channel CAS Crypton IP scrambler

Table of contents

1 General information.....	3
1.1Description.....	3
1.2Technical Specifications.....	3
2 Physical description.....	4
2.1Front View.....	4
2.2Rear View.....	4
3 Functional block diagram.....	5

1 General information

1.1 Description

COD912IPE is a compact size 4-channel CAS Crypton IP scrambler. Up to four IP encapsulated DVB transport streams can be received on the device inputs, scrambled in accordance with DVB-CAS and forwarded to the device outputs. Subscriber management is provided with CAS Crypton proprietary conditional access system. All device control is done with Web interface.

1.2 Technical Specifications

TS Input/output

Number of 1Gbit Ethernet IP ports	1
Max. Number of Transport Streams	4
Specification	ETSI TS 102034, ETSI TS 13818-1
Streaming protocols	UDP
Streaming type	Multicast, Unicast

Scramblers

Max. Number of DVB Scramblers	4
Max. Number of SCG per scrambler	16
Max. Number of PIDs per scrambler	256

Conditional Access

CAS Crypton

Device control

Number of 100Mbit Ethernet IP ports	1
Specification	Http(Web interface)

Dimensions

Width, mm	490
Height, mm	44
Depth, mm	300

2 Physical description

2.1 Front View

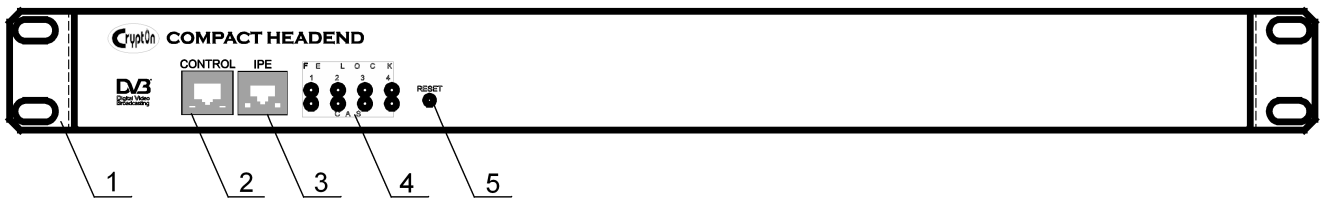


Fig. 1 Front view

1. Front panel with mounting holes;
2. 100Mbit Ethernet port for device control;
3. 1Gbit Ethernet port for IP streaming of DVB services;
4. LEDs TS and CA status indication;
5. Device settings RESET button;

2.2 Rear View



Fig. 2 Rear view

1. Rear panel;
2. Power socket;
3. Power switch.

3 Functional block diagram

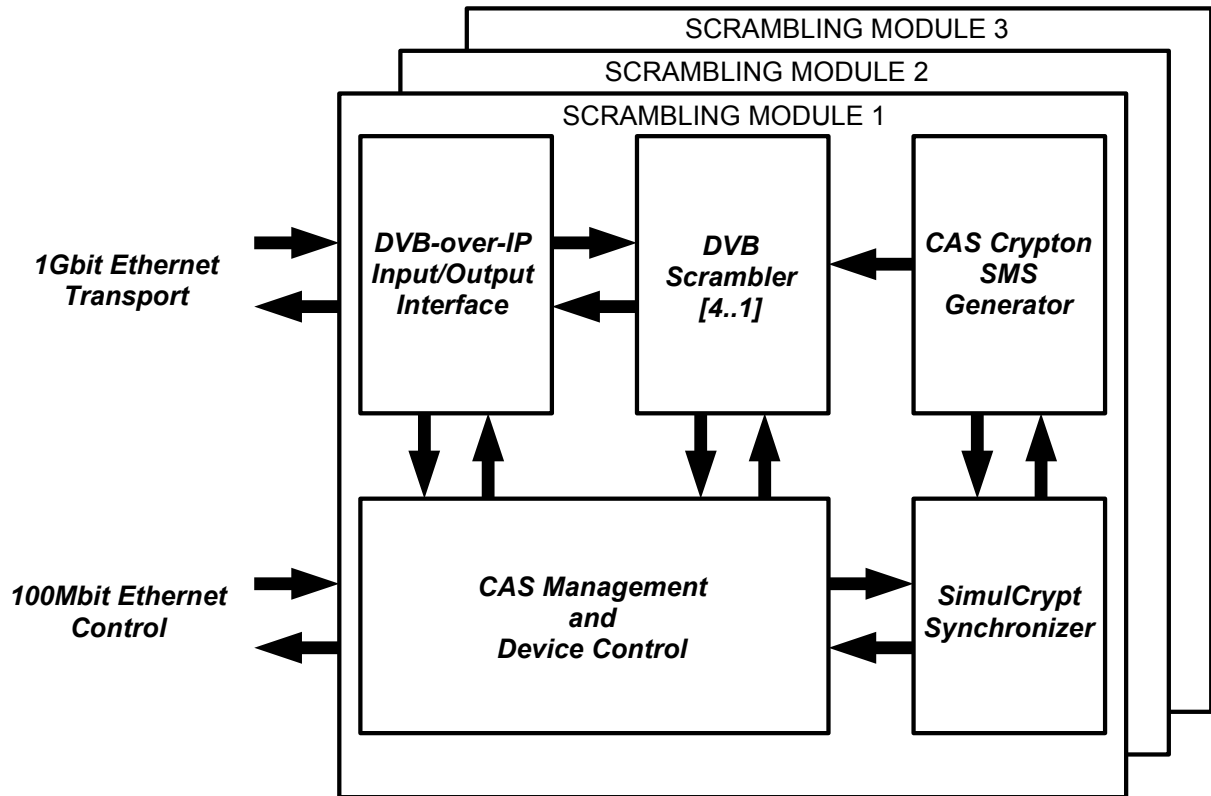


Fig.1 CRT1122CAS functional block diagram

DVB-over-IP Input/Output Interface is responsible for receive and transmit of DVB Transport Packets via IP networks.

DVB Scrambler protects the content from unauthorized access.

CAS Crypton SMS Generator provides proper Subscriber Messages for receiving equipments if DTV content is protected.

SimulCrypt Synchronizer performs CAS timings setting up and SCGs management.

CAS Management and device control uses separate 100Mbit Ethernet port. WEB Interface is used for device control and SimulCrypt is used for interoperation with CAS Crypton server.