

XSM

SOSM interface converter

SOSM protocol converter represents device meant for the transformation early or non-standard (in-house) versions of the SOSM protocols (which are remarkable for command set, commands and messages formats, absence of ability to implement synchronous interface and etc.) to the version which meets modern data link requirements.

XSM converter is developed in accordance with “Technical requirements to the information exchange links between SOSM and CP” document which regulates protocol parameters and SOSM operation algorithm.

Three releases of converter are possible:

- for fixed networks (electronic exchange, industrial private-branch exchange, urban exchange, automatic trunk station);
- for mobile networks (mobile switching center);
- for Soft Switch subscriber and pass-through NGN networks and IP-PBX equipment (industrial private-branch exchange based on IP- telephony technologies (VoIP)).

XSM converter can exchange data with station as follows:

- via serial port RS-232;
- via local network;
- via PCM.

XSM converter can get voice data from station by PCM and TCP/IP (RTP flow).

Converter supports following signaling protocols:

- DSS1;
- SS7;
- non-standard protocols under the agreement with customer.

XSM converter can exchange data with CP by connecting of pair (four-wire) line from Soft modems to PCM with fixing into 30 and 31 time slot semipermanent connection (Figure 1.);

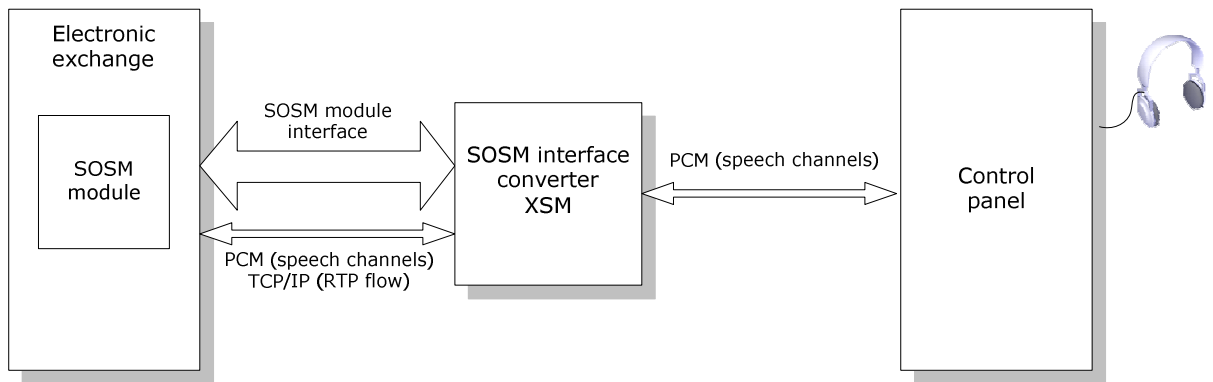


Figure 1. Digital interface
(PCM connection realization)

Functionality:

- processing information upon connecting to station via different interfaces;
- processing information of first, second and third levels of X.25 protocol upon converter connecting to CP;
- ability of view information about condition of connection with station and CP;
- possibility of adaptation of converter to every case against the way of SOSM realization at station.