SIC-FXS/FXO Modules of H3C Series Routers

赵刚 2007-09-27 发表

SIC-FXS/FXO Modules of H3C Series Routers

I.   Introduction to SIC-1FXS/SIC-1FXO and SIC-2FXS/SIC-2FXO Modules

SIC-1FXS/SIC-2FXS is the short of 1/2-port voice user circuit link process unit; SIC-1FXO/ SIC-2FXO is the short of 1/2-port voice AT0 analog relay link process unit. SIC-1FXS/SIC-1FXO is primarily designed to perform the access and process of 1-way analog voice signal and thus enabling the transmission of voice signals on data communication network; SIC-2FXS/SIC-2FXO is primarily designed to perform the access and process of 2-way analog voice signals and thus enabling the transmission of voice signals on data communication network. The following presents the differences between SIC-FXS/SIC-FXO link process units:

SIC-FXS: analog user line link process unit, which supports the access to common analog telephone, fax and telephone exchange AT0 loop relay;

SIC-FXO: loop relay line link process unit, which supports the access to telephone exchange common user line;

II.   Module Appearance

The appearance of 1-port FXS/FXO module is similar to that of 2-port FXS/FXO module. The difference only lies in the number of ports. The modules fall into four types by the silk-screen on the front panel. The appearance of module is shown as follows:

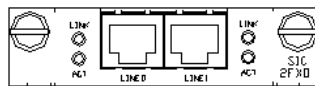SIC-1FXS/SIC-1FXO appearance

Figure 1   SIC-1FXS/SIC-1FXO appearance
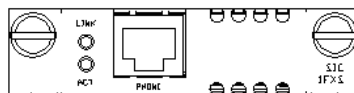
SIC-2FXS/SIC-2FXO appearance

Figure 2   SIC-2FXS/SIC-2FXO appearance

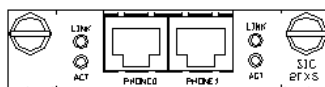SIC-1FXS/SIC-1FXO front panel

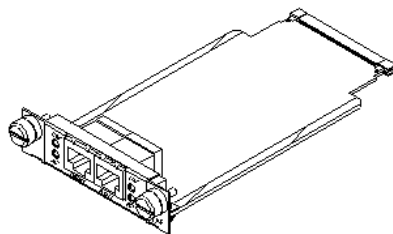Figure 3   SIC-1FXS front panel

Figure 4   SIC-1FXO front panel
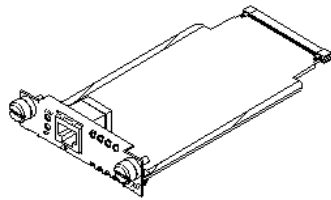
SIC-2FXS/SIC-2FXO front panel
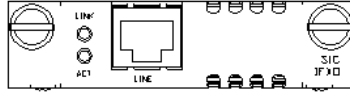
Figure 5　SIC-2FXS front panel

Figure 6　SIC-2FXO front panel

The following introduces the implication of SIC-1FXS/SIC-1FXO and SIC-2FXS/SIC-2FXO indicators:

Table 1 SIC-1FXS/SIC-1FXO and SIC-2FXS/SIC-2FXO indicator implication

LINK	Extinguished: link is idle. Lighted: link is occupied for call.
ACT	Extinguished: link is idle. Lighted: link is occupied for call. Flashing: when starting a router, ACT flashing indicates link process unit failure. Please replace it.

III.　Module Interface Cable

SIC-1FXS/SIC-1FXO and SIC-2FXS/SIC-2FXO cables are a line with magnetic ring. Connectors on both sides are all RJ11 plug. See "low-and medium-end series router cable manual" for connection.
Note:
The standard configuraiton of SIC-1FXS/SIC-1FXO and SIC-2FXS/SIC-2FXO also includes a line with magnetic ring.
Connection of Module Interface Cable
Note:
l　Please identify the marks on the interface when connection so that wrong insertion can be avoided to cause link process unit or router host damage.
l　When laying line outside, to achieve better lightning effect, user should deploy special lightning arrester in the input terminal of cable.
l　To ensure the magnetic compatibility of the overall router, user should connectes the side of line with magnetic ring to the router.

If the link process unit is installed correctly, connect the cables according to the following steps:
Step 1: Insert the side of line with magnetic ring in a RJ11 interface of SIC-FXS/SIC-FXO;
Step 2: Connect the other side of line to the following devices:
If SIC-1FXS/SIC-2FXS is selected, connect the line to telephone, fax or telephone exchange AT0 loop relay interface.
If SIC-1FXO/SIC-2FXO is selected, connect the line to the common line of telephone exchange.
Step 3: after started, examine the corresponding indicators on the front panel of router. Lighted indicates link process unit self-test succeeds and works well; extinguished indicates that link process unit self-test failed. Please contact agent.

IV.　Module Interface Attribute

SIC-1FXS/SIC-1FXO and SIC-2FXS/SIC-2FXO interface attributes are shown as follows:

Table 2 SIC-1FXS/SIC-1FXO and SIC-2FXS/SIC-2FXO interface attribute

Attribute	Description
Type of connector	RJ11
Connector number	1　(SIC-1FXS/SIC-1FXO) 2　(SIC-2FXS/SIC-2FXO)

Attribute	Description
Interface standard	User circuit interface (SIC-1FXS/SIC-2FXS) complies with ITU Q.512。 Loop relay interface (SIC-1FXO/SIC-2FXO) complies with ITU Q.552。 Overcurrent protection and overvoltage protection comply with ITU K.20 。
Type of cable	Line with magnetic ring
Dial-in mode	Support DTMF and comply with GB3378, not pulse dialing.
Bandwidth	300 ~ 3400Hz