2SAE/4SAE/8SAE Modules of H3C Series Routers

Module Introduction T.

2SAE/4SAE/8SAE is the short of 2/4/8-port enhanced high synchronous/asynch ronous serial port module. The main function of SAE module is the same as SA mod ule, but the difference is that SAE module serial port can support more protocols, suc h as RS449, X.21 and RS530.

Module Appearance



Figure 1 2SAE module appearance

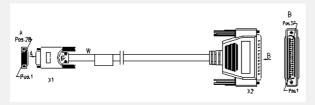


Figure 24SAE module appearance

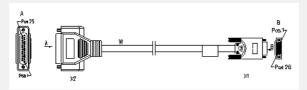


Figure 38SAE module appearance

Interface Indicator

2SAE module panel is shown as follows:



Figure 42SAE module panel

4SAE module panel is shown as follows:



Table1 2

Figure 5 4SAE module panel

The following table presents the implications of various indictors:

SAE/4SAE module indicator implication

·				
LINK	Extinguished represents the link is not connect ed. Light represents the link is connected.			
ACT	Flash represents some data has been received /sent. Extinguished represents no data has been received/sent.			

8SAE module panel is shown as follows:

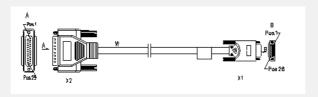


Figure 68SAE module panel

8SAE module has one indicator for each channel. Light frequently represents LINK (t he link is connected) and flash represents ACTIVE (some data has been received/se nt).

III. Interface Attribute

The following presents the interface attributes of SAE module:

Table2 2SAE

/4SAE/8SAE module interface attribute

	Description		
Attributes	Synchronous		Asynchronou s
Connector type	DB28		
Connector numbe	2 (2SAE) 4 (4SAE) 8 (8SAE)		
Interface standard & operational mode	V.24	V.35、RS449、X. 21、RS530	RS232
	DTE, DCE	DTE, DCE	
Minimum baud rat e (bps)	1200	1200	300
Maximum baud ra te (bps)	64k	2.048M	115.2
Cable type	V.24 (RS232) DTE cable V.24 (RS232) DCE cable V.35 DTE cable V.35 DCE cable V.35 DCE cable X.21 DTE cable X.21 DCE cable RS449 DTE cable RS449 DCE cable RS530 DTE cable RS530 DCE cable		
Support service	DDN leased li Terminal acce	Modem dial-in backup Asynchronou s leased line Terminal acce ss service	

IV. Interface Cable

Each interface of SAE module is a 28-core connector, so cable is a synchronous/asy nchronous serial port cable with DB28 connector.

You should confirm the line features before connecting SAE module. There are follow ing special cables for selection:

- V.24 (RS232) DTE cable: Network side is DB25 (male) connector.
- V.24 (RS232) DCE cable: Network side is DB25 (female) connector.
- V.35 DTE cable: network side is 34PIN (male) connector.
- V.35 DCE cable: network side is 34PIN (female) connector.
- I X.21 DTE cable: network side is DB15 (male) connector.
- X.21 DCE cable: network side is DB15 (female) connector.
- I RS449 DTE cable: network side is DB37 (male) connector.

 RS449 DCE cable: network side is DB37 (female) connector.
- I RS530 DTE cable: network side is DB25 (male) connector.
- I RS530 DCE cable: network side is DB25 (female) connector.

One end of above cables attached to router is DB28 connector, and the other varies by different network side.

V.24 DTE cable

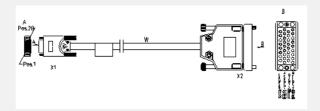


Figure7 V24 DTE cable V.24 DCE cable



Figure8 V.24 DCE cable V.35 DTE cable

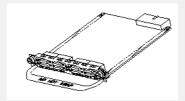


Figure9 V.35 DTE cable V.35 DCE cable



Figure 10 V.35 DCE cable I X.21 DTE cable

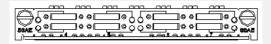


Figure11 X.21 DTE cable
I X.21 DCE cable



Figure 12 X.21 DCE cable I RS449 DTE cable

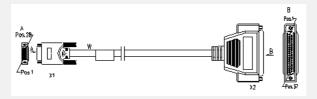


Figure 13 RS449 DTE cable I RS449 DCE cable

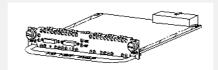


Figure14 RS449 DCE cable



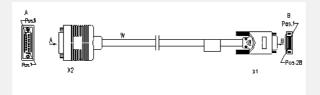


Figure15 RS530 DTE cable

RS530 DCE cable

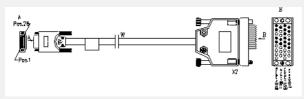


Figure16 RS530 DCE cable

For the pin connection relations of synchronous/asynchronous serial port cable (with DB28 connector), see "Medium/Low End Series Router Cable Manual."

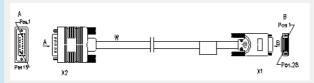
& Note

The above cables are optional. Users need to purchase when purchasing SAE modul e, or these cable are unavailable.

Connection of Interface Cable

Warning:

Strictly prohibit to insert in/out SAE module interface cable when router starts, or this will cause device and port damage easily.



Note:

Please first confirm the type of device attached to SAE module (i.e. synchronous/as ynchronous mode of the peer, DTE/DCE mode and so on), and signal standard, ba udrate, synchronous clock need to the access cevice before connecting SAE module.

Step 1: Confirm the interface type of the peer, and select the correct synchronous/as ynchronous serial port cable.

Step 2: Insert one end of synchronous/asynchronous serial port cable DB28 into the DB28 interface on SAE module.

Step: Attach the other end of cable to the following device:

- I If WAN is DDN, please attach cable to CSU/DSU interface.
- If WAN is dial-in line, please attach cable to the serial port of analog Modem

Step 4: After start, please check the indicators of corresponding slots on the router fr ont panel. Light represents self-test is completed and the module works well. Extingui shed represents self-test is not pass, please contact agent.

Step 5: After start, please check the state of LINK indicator on SAE module panel. Ex tinguished represents the line failed and signal is not synchronous. Please check the line.