FIC-GBE Modules of H3C Series Routers

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I.   Introduction

FIC-1GBE/FIC-2GBE is the short of 1/2-port 10Base-T/100Base-TX/1000Base-T Ethernet electric interface card, where GBE is the abbreviation of Gigabit Ethernet. FIC-GBE is primarily used for the communications between a router and LAN.

FIC-GBE supports the following functions:

l   Support a maximum of 100m transmission distance when using CAT5 cable.

l   The interface works at 1000Mbps, 100Mbps and 10Mbps three rates and enables adaptive.

l   Support half duplex/full duplex self negotiation.

II.   Interface Attributes

The following table shows FIC-1GBE/FIC-2GBE interface attributes:

Table 1 FIC-1GBE/FIC-2GBE interface attributes

Attributes	FIC-1GBE description	FIC-2GBE description
Type of connector	RJ45	
Connector number	1	2
Type of interface	MDI/MDIX	
Interface standard	802.3, 802.3u and 802.3ab	
Type of cable	Ethernet cable	
Operational mode	10/100/1000Mbps adaptive half duplex /full duplex self negotiation	

III. Panel and Interface Indicators

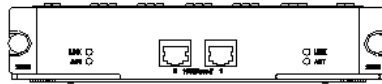The following figure shows FIC-1GBE/FIC-2GBE panel:
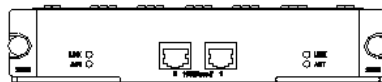

Figure1 FIC-1GBE panel

Figure2 FIC-2GBE panel

The following provides the implication of indicators on FIC-1GBE/FIC-2GBE panel:

Table 8-2 Implication of FIC-1GBE/FIC-2GBE indicators

LINK	Extinguished represents the link is not connected; lighting represents that the link is connected.
ACT	Extinguished represents no data has been received/sent; flashing represents some data has been received/sent.

IV. Interface Cable

FIC-1GBE/FIC-2GBE interface cable employs either crossover cable or standard cable.

Figure3 Ethernet cable

V.   Connection of Interface Cable

Step 1: Attach one side of a cable to the Ethernet port of a router, and another side to the peer.

Step 2: After powered on, examine the state of LINK indicator of GBE interface card panel. Lighting represents that a link is connected; extinguished represents that a link is not connected, please examine lines.