

3 端口 10/100BASE-TX RJ45 电接口及 8 端口 1000BASE-X-SFP 光接口板 – LSB1FW8DB1

1 单板标识

前面板右上角标有丝印: FW8DB, 用来标识该单板。

2 单板简介

FW8DB 单板上从左到右依次排列有 8 个 1000Base-X 接口、Console 口、AUX 口、3 个 10/100Base-TX 接口和 4 个状态指示灯 (ATTACK、ACT、ALM、RUN)。

表1 单板属性

属性	规格
接口连接器类型	RJ45, SFP/LC
接口数量	<ul style="list-style-type: none"> 1 个 Console 口, 支持本单板的本地配置管理 1 个 AUX 口, 支持本单板的远程拨号配置管理 3 个 10M/100M 以太网电接口 8 个 1000M SFP 光接口
接口传输速率	<ul style="list-style-type: none"> Console 口: 9600bit/s AUX 口: 300bit/s~115200bit/s 10/100Base-TX 接口: 10M/100Mbit/s, 半/全双工 1000Base-X-SFP 接口: 1000Mbit/s, 全双工
可选用线缆及最大传输距离	<ul style="list-style-type: none"> Console 口: 普通异步串行口电缆, 传输距离≤15m AUX 口: 普通异步串行口电缆, 传输距离≤15m 10/100Base-TX 接口: 5 类双绞线, 传输距离 100m 1000Base-X-SFP接口属性请参见表 2
单板适用的机型	S9502/S9505/S9508/S9508V/S9512
单板适用的主机软件版本	1321 及以上版本

可选用的 SFP 模块类型及其属性见下表。

表2 SFP 模块属性

SFP 模块名称	中心波长	接口连接器类型	接口光纤规格	光纤最大传输距离
1000BASE-SX-SFP	850nm	LC	50/125μm 多模光纤	550m
			62.5/125μm 多模光纤	275m
1000BASE-LX-SFP	1310nm		9/125μm 单模光纤	10km

SFP 模块名称	中心波长	接口连接器类型	接口光纤规格	光纤最大传输距离
1000BASE-LH-SFP	1550nm			40km
1000BASE-ZX-LR-SFP				70km
1000BASE-ZX-VR-SFP				100km
1000BASE-ZX-UR-SFP				

3 升级方式

用户可通过以下方式对 FW8DB 单板进行升级:

(1) 通过 Boot 菜单本地升级

- 通过 Console 口利用 XModem 协议进行升级
- 通过百兆以太网口 Ethernet 3 利用 TFTP 协议进行升级

(2) 通过命令行远程升级

- 通过百兆以太网口 (Ethernet 1~Ethernet 3 中任意一个) 利用 FTP 协议进行升级
- 通过百兆以太网口 (Ethernet 1~Ethernet 3 中任意一个) 利用 TFTP 协议进行升级



注意:

FW8DB 单板的升级只能在自身的 Console 口或以太网口下进行, 而不能通过 S9500 主控板。

4 注意事项

如主机软件版本不匹配, 请联系该设备的销售商或集成商获取相应的主机软件版本;

单板安装说明及主机软件版本的升级方法请参见《H3C S9500 系列路由交换机 安装手册》相关章节。

单板种类或规格可能随产品版本的变更而改变, 请从公司网站 <http://www.h3c.com.cn> 主页上的“文档中心”获取最新资料。

杭州华三通信技术有限公司

3 x 10/100BASE-TX Electrical Interface + 8 x 1000BASE-X-SFP Optical Interface Card – LSB1FW8DB1

1 Card Identifier

The silkscreen FW8DB is printed at the upper right corner of the front panel, and is used to identify the card.

2 Specifications

On the front panel of FW8DB, eight 1000Base-X interfaces, Console port, AUX port, three 10/100Base-TX interfaces, and four status LEDs (ATTACK, ACT, ALM, RUN) are arranged from left to right.

Table1 Card specifications

Item	Specification
Connector	RJ-45, SFP/LC
Interface	<ul style="list-style-type: none"> • One Console port supporting the local configuration management • One AUX port supporting remote dialup configuration management • Three 10/100 Mbps electrical interfaces • Eight 1000 Mbps SFP optical interfaces
Transmission rate	<ul style="list-style-type: none"> • Console port: 9600 bps • AUX port: 300 bps to 115200 bps • 10/100Base-TX interface: 10 Mbps, half/full duplex • 1000Base-X-SFP interface: 10000 Mbps. Full duplex
Cable and maximum transmission distance	<ul style="list-style-type: none"> • Console port: Asynchronous serial cable with maximum transmission distance of 15 meters • AUX port: Asynchronous serial cable with maximum transmission distance of 15 meters • 10/100Base-TX interface: Category 5 UTP with maximum transmission distance of 100 meters • 1000Base-X-SFP interface: Refer to Table2 for details
Applied to	S9502/S9505/S9508/S9508V/S9512
Host software version	Version 1321 or above

For supported SFP modules, refer to the following table.

Table2 SFP Module Attribute

Optional SFP module	Central wavelen gth	Connec tor type	Fiber specifications	Maximum transmission distance
1000BASE-SX-SFP	850nm	LC	50/125µm multi-mode optical fiber	550 m

Optional SFP module	Central wavelength	Connector type	Fiber specifications	Maximum transmission distance
			62.5/125 μ m multi-mode optical fiber	275 m
1000BASE-LX-SFP	1310nm		9/125 μ m single-mode optical fiber	10 km
1000BASE-LH-SFP				40 km
1000BASE-ZX-LR-SFP	1550nm			70 km
1000BASE-ZX-VR-SFP				100 km
1000BASE-ZX-UR-SFP				

3 Upgrading FW8DB

To upgrade the FW8DB, follow one of the ways:

- 1) Local upgrade by the Boot menu
 - Use the XModem protocol through the Console port
 - Use the TFTP protocol through the port Ethernet 3
- 2) Remote upgrade by the command line
 - Use the FTP protocol through the Ethernet port (anyone among the Ethernet 1 through Ethernet 3)
 - Use the TFTP protocol through the Ethernet port (anyone among the Ethernet 1 through Ethernet 3)



Caution:

You can only upgrade the FW8DB through its own Console port or Ethernet port, but not the SRPU.

4 Note

If the host software version does not match the one applicable to the card, contact the vendor or the integrator for the right version.

For the introduction of card installation and host software upgrade, see the related part in *H3C S9500 Series Routing Switches Installation Manual*.

As board types or specifications might change with product versions, you may need to obtain the latest documents from Technical Support & Document link on H3C website <http://www.h3c.com>.

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