

12 端口 1000Base-X(SFP) + 4 端口 10/100/1000Base-T 千兆以太 网业务板-LS81P12TE

BOM: 3123A06N

1 单板标识

前面板右上角标有丝印 LS81P12TE，用来标识该单板。

2 单板简介

此单板可以作为 S7502 交换机的交换路由板或业务板，也可以作为 S7503/S7506/S7506R 交换机的业务板。

表-1 LS81P12TE 属性

属性	LS81P12TE
交换容量	48Gbit/s
包交换率	36Mpps
MAC 地址表	16K
IP 地址表	64K
接口连接器类型	RJ-45、LC
对外接口	4 个 10/100/1000Base-T 千兆以太网端口 12 个 1000Base-X (SFP) 千兆以太网接口
接口传输速率	1000Mbit/s 全双工 (光口) 10/100Mbit/s 半/全双工 (电口) 1000Mbit/s 全双工 (电口)
以太网端口可选用线缆及最大传输距离	5 类双绞线，传输距离 100m
单板适用的主机类型	S7502 交换机 (交换路由板或业务板) S7503、S7506 和 S7506R 交换机 (业务板)
单板适用的主机软件版本	Release 3000 系列/Release 3100 系列

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
SFP-GE-SX-MM850-A	850nm	LC	50μm/125μm 多模光纤	550m
			62.5μm/125μm 多模光纤	275m
SFP-GE-LX-SM1310-A	1310nm	LC	9μm/125μm 单模光纤	10km
SFP-GE-LH40-SM1310				40km
SFP-GE-LH40-SM1550	1550nm	LC	9μm/125μm 单模光纤	40km
SFP-GE-LH70-SM1550				70km
SFP-GE-LH100-SM1550				100km
SFP-GE-LH70-SM1470-CW	1470nm	LC	9μm/125μm 单模光纤	70km
SFP-GE-LH70-SM1490-CW	1490nm			
SFP-GE-LH70-SM1510-CW	1510nm			
SFP-GE-LH70-SM1530-CW	1530nm			
SFP-GE-LH70-SM1550-CW	1550nm			
SFP-GE-LH70-SM1570-CW	1570nm			
SFP-GE-LH70-SM1590-CW	1590nm			
SFP-GE-LH70-SM1610-CW	1610nm			
SFP-GE-T	-	RJ-45	-	100m

3 注意事项

- 如主机软件版本不匹配，可以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 S7500 系列以太网交换机安装手册》和《H3C S7502 以太网交换机 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

12-port 1000Base-X (SFP) + 4-port 10/100/1000Base-T GE Card - LS81P12TE

1 Card Identifier

The silkscreen LS81P12TE is printed at the upper right corner of the front panel, and is used to identify the card.

2 Specifications

This card can serve as the switching and routing process unit (SRPU or LPU) of the S7502 switch or the Line Processing Unit (LPU) of the S7503/S7506/S7506R switch.

Table1 LS81P12TE specifications

Item	LS81P12TE
Switching capacity	48 Gbps
Packet forwarding rate	36 Mpps
MAC address table	16 K
IP address table	64 K
Connector	RJ-45, LC
Port	• Four 10/100/1000Base-T Ethernet ports • 12 × 1000Base-X (SFP) ports
Interface transmission speed	• 1000 Mbps full-duplex (optical) • 10/100 Mbps half-/full-duplex (electrical) • 1000 Mbps full-duplex (electrical)
Electrical interface cable and max transmission distance	Category-5 twisted pair with maximum transmission distance of 100 m (328 ft)
Applied to	• S7502 Ethernet Switch (SRPU or LPU) • S7503/S7506/S7506R Ethernet Switch (LPU)
Host software version	Release 3000 series/Release 3100 series

For supported SFP modules, refer to the following table.

Table2 SFP module attribute

SFP module	Central wavelen gth	Conn ector	Matching cable	Maximum transmission distance
SFP-GE-SX-MM850-A	850 nm	LC	50/125 μ m multimode optical fiber cable	550 m (1804 ft)
			62.5/125 μ m multimode optical fiber cable	275 m (902 ft)
SFP-GE-LX-SM1310-A	1310 nm	LC	9/125 μ m single mode optical fiber cable	10 km (6 mi)
SFP-GE-LH40-SM1310				40 km (about 25 mi)
SFP-GE-LH40-SM1550	1550 nm	LC	9/125 μ m single mode optical fiber cable	40 km (about 25 mi)
SFP-GE-LH70-SM1550				70 km (43 mi)
SFP-GE-LH100-SM1550				100 km (62 mi)
SFP-GE-LH70-SM1470-CW	1470 nm	LC	9/125 μ m single mode optical fiber cable	70 km (43 mi)
SFP-GE-LH70-SM1490-CW	1490 nm			
SFP-GE-LH70-SM1510-CW	1510 nm			
SFP-GE-LH70-SM1530-CW	1530 nm			
SFP-GE-LH70-SM1550-CW	1550 nm			
SFP-GE-LH70-SM1570-CW	1570 nm			
SFP-GE-LH70-SM1590-CW	1590 nm			
SFP-GE-LH70-SM1610-CW	1610 nm			
SFP-GE-T	—	RJ-45	—	100 m (328 ft)

3 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 S7500 Series Ethernet Switches Installation Manual* and *H3C S7502 Ethernet Switch 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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