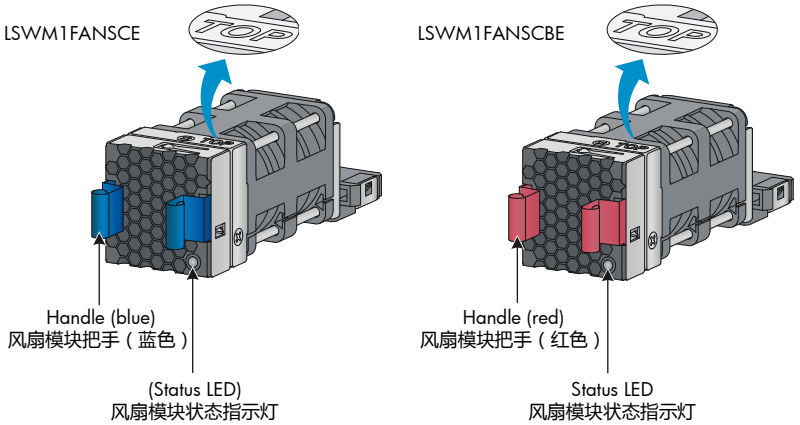
H3C LSWM1FANSCE & LSWM1FANSCBE Fan Trays User Guide-6PW103
H3C LSWM1FANSCE & LSWM1FANSCBE 风扇手册-6PW103

BOM: 3101A0HR

Overview 风扇模块介绍

The LSWM1FANSCE fan tray provides airflow from the power module side to the port side. The LSWM1FANSCBE fan tray provides airflow from the port side to the power module sidE. The two fan trays feature small size, fast heat dissipation, and hot swapping. They can adjust the fan speed automatically.
LSWM1FANSCE风扇模块为吹风风扇（风扇从电源侧向端口侧吹风），LSWM1FANSCBE风扇模块为抽风风扇（风扇从端口侧向电源侧抽风）。这两款风扇模块具有体积小、散热快、可热插拔的特点，还可根据设备温度自动进行风速调整，能为设备提供强劲的散热降温功能。

1 Views 风扇模块示意图



When you install a fan tray, make sure the "TOP" sign is on the top surface of the fan tray.
安装风扇模块时，请确保TOP标识朝向上方。

2 Specifications for the fan trays 风扇模块规格

Item 项目	Specification 规格
Fans 风扇数量	One 40 × 56 × 40 mm (1.57 × 2.21 × 1.57 in) fan 1个40×56×40mm风扇
Airflow direction 风道方向	LSWM1FANSCE: From the power module side to the port side LSWM1FANSCE: 风扇从电源侧向端口侧吹风 LSWM1FANSCBE: From the port side to the power module side LSWM1FANSCBE: 风扇从端口侧向电源侧抽风
Max fan speed 最大风扇转速	21000 R.P.M 21000 R.P.M（转/分钟）
Max airflow 最大风量	26 CFM 26 CFM（立方英尺/分钟）
Max power consumption 最大功耗	27.72 W
Voltage 工作电压	12 V
Operating temperature 工作环境温度	0°C to 45°C (32°F to 113°F) 0℃～45℃
Operating humidity 工作环境相对湿度	5% to 95% (non-condensing) 5%～95% RH, 无冷凝
Storage temperature 存放环境温度	–40°C to +70°C (–40°F to +158°F) –40℃～70℃
Storage humidity 存放环境相对湿度	5% to 95% (non-condensing) 5%～95% RH, 无冷凝

3 Status LED 风扇模块状态指示灯

Status 指示灯状态	Description 含义
Steady yellow 黄色常亮	The fan tray is operating correctly. 风扇模块运行正常
Flashing (1 Hz) 闪烁（1HZ）	A problem has occurred on the fan tray.风扇模块运行异常
Off 灭	The fan tray is not securely installed or has no power input. 风扇模块未插好或未供电

Installing or removing a fan tray 风扇模块的安装和拆卸

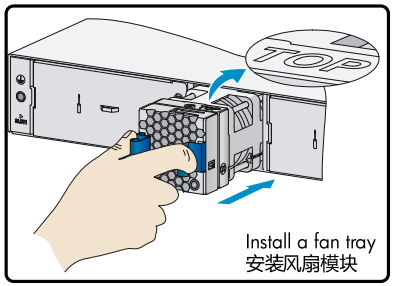
The installation and removal procedures are the same for the LSWM1FANSCE and LSWM1FANSCBE fan trays.
LSWM1FANSCE风扇模块与LSWM1FANSCBE风扇模块的安装和拆卸方法相同。

1 Safety precautions 安全注意事项

- Before you install or remove a fan tray, wear an ESD wrist strap and make sure the wrist strap has good skin contact and is reliably grounded.
  在安装和拆卸风扇模块时，操作者需自行准备并佩戴防静电腕带，请确保防静电腕带已经正确接地并与皮肤良好接触。
- Do not touch any naked wire or terminal.
  请不要接触风扇模块中露出的任何导线、端子部分。
- Do not place the fan tray in a damp environment and prevent liquid from flowing into the fan tray.
  请不要将风扇模块放置在潮湿的地方，也不要让液体进入风扇模块内部。
- When an internal circuit or component is faulty, do not remove any components from the fan tray. Contact H3C Support.
  当风扇模块内部线路或元器件出现故障时，请移交维修人员进行检修，不要随意拆卸风扇模块上的部件。

2 Installing a fan tray 风扇模块的安装

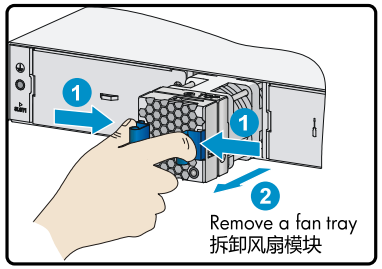
- Before you install a fan tray, make sure the fan tray model is compatible with the device and the airflow direction is as required by the installation site.
  在安装风扇模块前，请确认风扇模块型号与设备匹配且风扇模块的风道方向和安装环境的通风方向要求一致。
- To avoid damaging the connectors on the baCkplane, insert the fan tray slowly. If you encounter a resistance or the fan tray tilts, remove the fan tray and reinsert it.
  为了避免损坏风扇模块和背板的连接器端子，风扇模块插入过程中动作要缓慢，如果插入过程阻力较大或风扇模块位置出现偏斜，必须先拔出风扇模块，然后重新插入。



Orient the fan tray with the "TOP" sign on the top surface of the fan tray. Holding the handles of the fan tray as shown in the Figure, insert the fan tray slowly into the slot along the guide rails until the fan tray has good contact with the backplane.
将风扇模块TOP标识朝向上方，捏住风扇模块把手，将风扇模块沿着插槽导轨水平插入，直到风扇模块完全进入插槽，并且与背板连接器端子接触良好。

3 Removing a fan tray 风扇模块的拆卸

- Ensure electricity safety when you remove a fan tray on an operating device.
  在设备运行状态下更换风扇模块时，请注意用电安全。
  Never touch the rotating fans on an operating device.
  在设备运行状态下更换风扇模块时，请不要接触转动中的风扇，避免被旋转中的风扇划伤.
- To avoid disturbing the dynamic balance of the fans and large Noise caused by the imbalance, H3C recommends that you do not touch the fans and rotation axis even if the fans stop rotating.
  在风扇停止转动后，建议不要碰触风扇扇叶和旋转轴，以免损害风扇的动平衡，导致风扇运转时噪音加大。
- Place the removed fan tray in an anti-static mat or bag.
  请将拆卸下来的风扇模块及时放置到防静电垫子上或防静电袋中。



Hold tightly the fan tray handles as shown in the figure and pull the fan tray slowly out of the slot along the guide rails.
捏紧风扇模块的把手，同时沿着插槽导轨水平缓慢地向外拉出风扇模块。

Obtaining Documentation 资料获取方式

To access the most up-to-date H3C product documentation, go to http://www.h3c.com
您可以访问H3C网站（www.h3c.com）获取最新的产品配套资料：
1. 请访问网址：http://www.h3c.com/cn/Technical_Documents；
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