Contents/目录

Change History / 修订记录

Changes between document issues are cumulative. Therefore, the latest document issue contains all changes made in previous issues.

修订记录累积了每次文档更新的说明。最新版本的文档包含以前所有文档版本的更新内容。

Changes in Issue 02 (2012-05-24)
文档版本 02 (2012-05-24)

Compare to Issue 01 (2011-12-31)：Revise contact information.
相对于版本01 (2011-12-31)的变化如下：修改联系方式。

Changes in Issue 01 (2011-12-31)
文档版本 01 (2011-12-31)

Initial commercial release.
第一次正式发布。

S1700 Series Ethernet Switches
Packing List

Item	Name	Quantity	Unit
1	Main unit category Power category: AC	1	Set
2	AC Power cable	1	Piece
3	Installation Quick Start	1	Piece
4	Installation accessories	1	Set

Note: Go to the website http://enterprise.huawei.com to retrieve and download the documentation.

S1700系列以太网交换机
装箱清单

Item	Name	Quantity	Unit
1	主机 电源种类： 交流	1	台
2	交流电源线	1	根
3	快速安装指南	1	份
4	安装附件	1	套

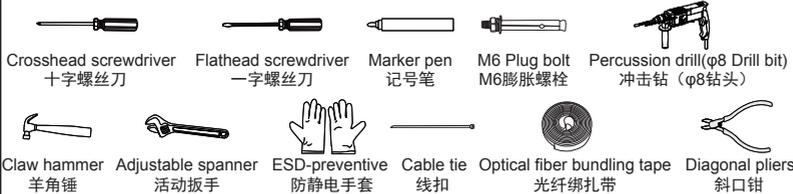注：请通过华为公司技术支持网站 (http://enterprise.huawei.com) 查询和下载手册的电子件。

S1700 Series Ethernet Switches
User Manual & Installation Quick Start
S1700系列以太网交换机
快速安装指南以及简易使用说明书

Rev: 02　The device model is on the product nameplate. 设备的具体型号信息请从产品铭牌上获取。

Tool List
工具参考

Crosshead screwdriver 十字螺丝刀	Flathead screwdriver 一字螺丝刀	Marker pen 记号笔	M6 Plug bolt M6膨胀螺栓	Percussion drill(φ8 Drill bit) 冲击钻（φ8钻头）	
Claw hammer 羊角锤	Adjustable spanner 活动扳手	ESD-preventive 防静电手套	Cable tie 线扣	Optical fiber bundling tape 光纤绑扎带	Diagonal pliers 斜口钳

Accessories
安装附件介绍

|				
Rubber pads 胶垫贴	Captive nut 浮动螺母	M4 screw M4螺钉	M6 screw M6螺钉	Short rack-mounting ear 短挂耳

1　Precautions
注意事项

⚠ Before installation, take ESD-preventive measures, for example, wear ESD-preventive gloves or a wrist strap.
　　安装前请做好防静电保护措施，如配戴防静电手套或防静电手腕。

2　Installing the Device in a 19" Cabinet
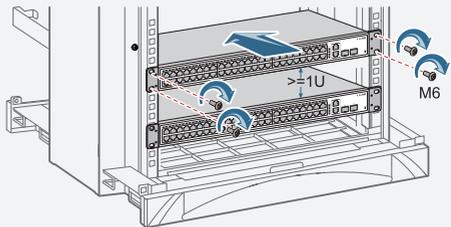## 安装设备到19英寸标准机柜/机架中

⚠ ● Leave more than 1U space between the devices for proper heat dissipation.
　● 设备与设备之间的距离必须大于1U。

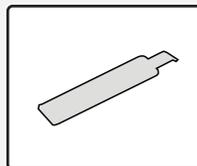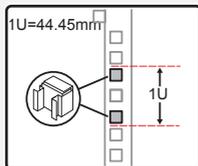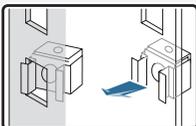**1** Fix the rack-mounting ears.
安装挂耳。
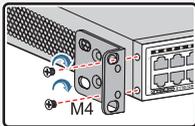
IEC cabinet (19 inch)
IEC 机柜（19英寸）

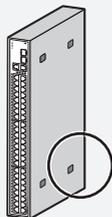**3** Install the device in a cabinet.
安装设备到机柜。

>=1U　　M6

2 Fix the captive nuts.
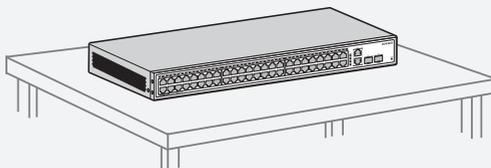安装浮动螺母。

1U=44.45mm

1U

Use installation strip to fix the captive nuts.
使用安装条安装浮动螺母。

3 Installing the Device on a Worktable
安装设备到工作台

1 Adhibit the rubber pads.
粘贴胶垫贴。

Rubber pads
胶垫贴

2 Install the device on a worktable.
安装设备到工作台。

4 Installing the Device on a Wall
安装设备到墙面

⚠ ● To prevent injuries, check that there is no electrical wire at the locations to be drilled before drilling holes in the wall.
● Flammable and explosive items under the device is prohibited. Leave more than 100 mm of space around the device for proper heat dissipation.
● 在墙上打孔时，必须确认打孔处没有墙电，避免造成人身伤害。
● 设备下方禁止摆放易燃易爆物品，距离设备100mm范围内不能有异物挡住。

1 Fix the rack-mounting ears.
安装挂耳。

M4

3 Install the plug bolt.
安装膨胀螺栓。

φ8 Drill bit
φ8钻头

90°

M6 plug bolt
M6膨胀螺栓

4 Install the device on the wall.
安装设备到墙面。

2 Mark the hole locations on the wall according to the device installed with rack-mounting ears.
根据已安装挂耳的设备，用记号笔标记打孔位置。
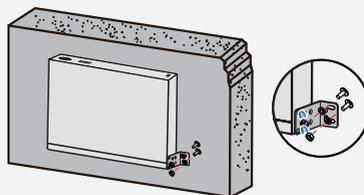
5 Installing the SFP Transceiver
SFP收发器的安装

⚠ • Please use the metal-covered optical module.
   • Please use SFP transceiver to meet laser class 1 standard.
   • 请使用有金属外壳的光模块。
   • 请使用SFP transceiver 满足 Laser Class 1。

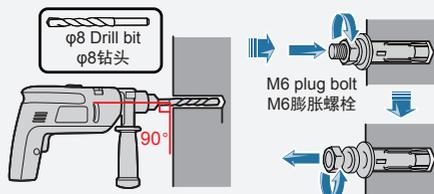**1** Insert the transceiver with the optical connector facing outward and the slot connector facing down.
插入SFP收发器，光纤连接口朝外，且插槽朝下。

2 Connect the LC connector to SFP transceiver.
将光纤的LC连接器连接到光模块上。
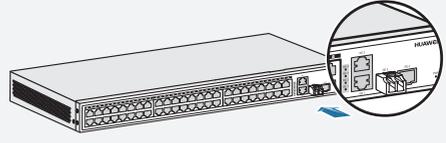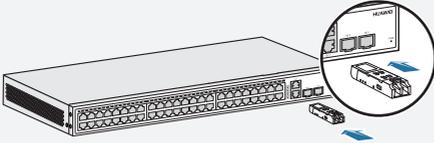
6 Connecting PGND Cables and Power Cables
连接保护地线和电源线

⚠ • Do not connect power cables when the device is powered on, so as to avoid injuries.
   • Do not power on the device before device installation and cabling are completed.
   • Make sure that the protection grounding cable of the device is grounded.
   • The device can use only AC power supply.
   • 严禁带电安装电源线，以免造成人身伤害。
   • 严禁在设备安装和布线完成前向设备供电。
   • 确定设备保护地线接地。
   • 设备支持交流电源。

1 Connect the PGND cable.
连接地线。
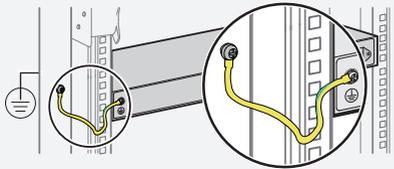
2 Connect the AC power cable.
连接交流电源线。
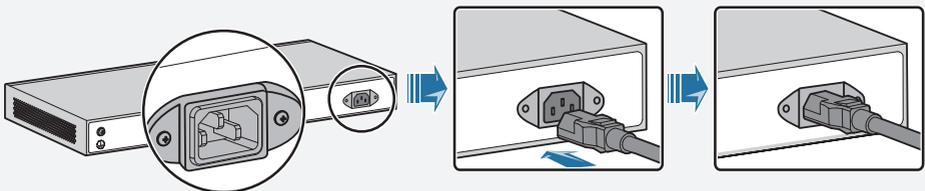
⚠ ● Do not stare at optical interfaces. The optical fiber contains laser light sources that hurt human eyes.
  ● Lay out and bundle power cables, optical fibers, and Ethernet cables separately, with the distances in between longer than 10 cm.
  ● 不要直视光纤接口，光纤中的激光会伤害眼睛。
  ● 电源线与信号线缆的间距要大于10厘米。

📖 During the cabling, if the quantity of cables is rather great, you can route the cables in the cabinet first, and then install **connectors** to the cables.
布线时，如果线缆数目比较多，为了布线更方便，可以先不做线缆接头，先将线缆在机柜中布置好，再做与设备连接的线缆接头。

Ethernet cables
以太网线

Optical fibers
光纤

Cable tie
线扣

Fiber bundling tape
光纤绑扎带
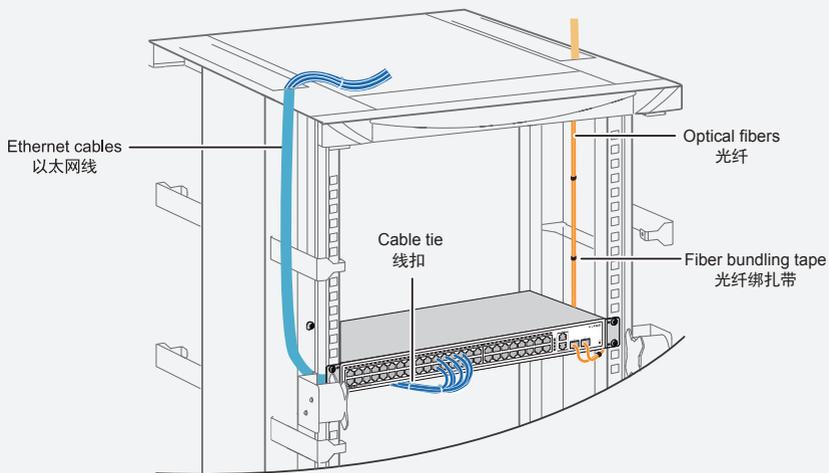
> ● Power on the device only when the input voltage is in the normal range. Test the AC input voltage for The device.
>   The voltage should range from 100 VAC to 240 VAC.
> ● After the device is powered on, the PWR LED is on. the port LED status is as shown in below.
> ● There is a RESET button on the front of the S1700, hold down the button for 5 seconds or more, device will be connectors
>   reset to the factory default settings.
> ● 测试设备的输入电压，若此电压在100-240V交流电正常范围内可将设备上电。
> ● 设备上电后，PWR电源指示灯亮，端口LED灯状态如下图所示。
> ● S1700前面板上有RESET复位按钮，长按复位按钮（5秒以上）系统使用缺省配置重新启动。

S1700-28FR-2T2P-AC对应图

1-24 Port LED
1-24 端口指示灯

GE1-GE4 Port LED
GE1-GE4 端口指示灯

PWR LED
电源指示灯

LED Indicator LED状态		
LED 状态... wait		

LED	Condition 状态	Description 描述
PWR	On Green 绿色常亮	Internal power is operating normally. 设备正常上电。
	Off 熄灭	Power off. 设备未上电。
RUN	On Green 绿色常亮	System boots up or works abnormal. 系统正在启动或工作异常。
	Blinking Green 绿色闪烁	System works normally. 系统工作正常。
	Off 熄灭	System off. 系统未启动。
1 - 24 Port	On Green 绿色常亮	The port has a valid 10/100Mbps link. 端口工作在10/100Mbps模式下。
	Blinking Green 绿色闪烁	Blinking indicates activity. 闪烁表示正在传输数据。
	Off 熄灭	No link. 无效连接。
GE1 - GE2 Port	On Green 绿色常亮	The port has a valid 1000Mbps link. 端口工作在1000Mbps模式下。
	Blinking Green 绿色闪烁	Blinking indicates activity for 1000Mbps. 表示正在1000Mbps模式下传输数据。
	On Amber 橙色常亮	The port has a valid 10/100Mbps link. 端口工作在10/100Mbps模式下。
	Blinking Amber 橙色闪烁	Blinking indicates activity for 10/100Mbps. 表示正在10/100Mbps模式下传输数据。
	Off 熄灭	No link. 无效连接。
GE3 - GE4 Port	On Green 绿色常亮	The port has a valid 1000Mbps link. 端口工作在1000Mbps模式下。
	Blinking Green 绿色闪烁	Blinking indicates activity. 表示正在传输数据。
	Off 熄灭	No link. 无效连接。

*此为A级产品，在生活环境中，该产品可能会造成无线电干扰，在这种情况下，可能需要用户对其干扰采取切实可行的防护措施。
This is a Class A product. This product may cause radio interference, in which case the user may be required to take practical precautions interference.

S1700-28GFR-4P-AC对应图

1-24 Port LED
1-24 端口指示灯
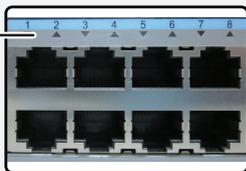
25-28 Port LED
25-28 端口指示灯

PWR LED
电源指示灯

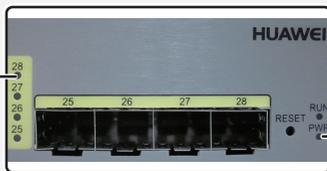| LED Indicator LED状态		
LED	Condition 状态	Description 描述
PWR	On Green 绿色常亮	Internal power is operating normally. 设备正常上电。
	Off 熄灭	Power off. 设备未上电。
RUN	On Green 绿色常亮	System boots up or works abnormal. 系统正在启动或工作异常。
	Blinking Green 绿色闪烁	System works normally. 系统工作正常。
	Off 熄灭	System off. 系统未启动。
1 - 24 Port	On Green 绿色常亮	The port has a valid 1000Mbps link. 端口工作在1000Mbps模式下。
	Blinking Green 绿色闪烁	Blinking indicates activity for 1000Mbps. 表示正在1000Mbps模式下传输数据。
	On Amber 橙色常亮	The port has a valid 10/100Mbps link. 端口工作在10/100Mbps模式下。
	Blinking Amber 橙色闪烁	Blinking indicates activity for 10/100Mbps. 表示正在10/100Mbps模式下传输数据。
	Off 熄灭	No link. 无效连接。
25 - 28 Port	On Green 绿色常亮	The port has a valid 1000Mbps link. 端口工作在1000Mbps模式下。
	Blinking Green 绿色闪烁	Blinking indicates activity. 闪烁表示正在传输数据。
	Off 熄灭	No link. 无效连接。

*此为A级产品，在生活环境中，该产品可能会造成无线电干扰，在这种情况下，可能需要用户对其干扰采取切实可行的防护措施。
This is a Class A product. This product may cause radio interference, in which case the user may be required to take practical precautions interference.

S1700-52FR-2T2P-AC对应图

1-48 Port LED
1-48 端口指示灯

GE1-GE4 Port LED
GE1-GE4 端口指示灯

HUAWEI

PWR LED
电源指示灯

LED Indicator LED状态		
LED	Condition 状态	Description 描述
PWR	On Green 绿色常亮	Internal power is operating normally. 设备正常上电。
	Off 熄灭	Power off. 设备未上电。
RUN	On Green 绿色常亮	System boots up or works abnormal. 系统正在启动或工作异常。
	Blinking Green 绿色闪烁	System works normally. 系统工作正常。
	Off 熄灭	System off. 系统未启动。
1 - 48 Port	On Green 绿色常亮	The port has a valid 10/100Mbps link. 端口工作在10/100Mbps模式下。
	Blinking Green 绿色闪烁	Blinking indicates activity. 闪烁表示正在传输数据。
	Off 熄灭	No link. 无效连接。
GE1 - GE2 Port	On Green 绿色常亮	The port has a valid 1000Mbps link. 端口工作在1000Mbps模式下。
	Blinking Green 绿色闪烁	Blinking indicates activity for 1000Mbps. 表示正在1000Mbps模式下传输数据。
	On Amber 橙色常亮	The port has a valid 10/100Mbps link. 端口工作在10/100Mbps模式下。
	Blinking Amber 橙色闪烁	Blinking indicates activity for 10/100Mbps. 表示正在10/100Mbps模式下传输数据。
	Off 熄灭	No link. 无效连接。
GE3 - GE4 Port	On Green 绿色常亮	The port has a valid 1000Mbps link. 端口工作在1000Mbps模式下。
	Blinking Green 绿色闪烁	Blinking indicates activity. 表示正在传输数据。
	Off 熄灭	No link. 无效连接。

*此为A级产品，在生活环境中，该产品可能会造成无线电干扰，在这种情况下，可能需要用户对其干扰采取切实可行的防护措施。
This is a Class A product. This product may cause radio interference, in which case the user may be required to take practical precautions interference.

S1700-52GFR-4P-AC对应图

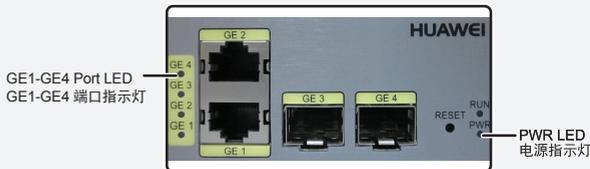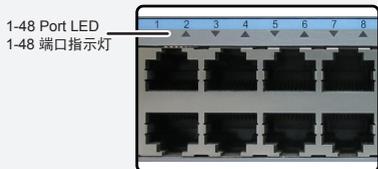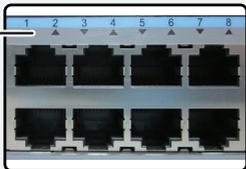1-48 Port LED
1-48 端口指示灯

49-52 Port LED
49-52 端口指示灯

PWR LED
电源指示灯

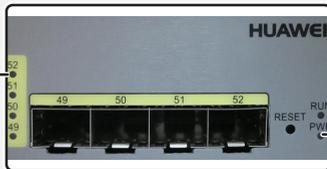| LED Indicator LED状态		
LED	Condition 状态	Description 描述
PWR	On Green 绿色常亮	Internal power is operating normally. 设备正常上电。
	Off 熄灭	Power off. 设备未上电。
RUN	On Green 绿色常亮	System boots up or works abnormal. 系统正在启动或工作异常。
	Blinking Green 绿色闪烁	System works normally. 系统工作正常。
	Off 熄灭	System off. 系统未启动。
1 - 48 Port	On Green 绿色常亮	The port has a valid 1000Mbps link. 端口工作在1000Mbps模式下。
	Blinking Green 绿色闪烁	Blinking indicates activity for 1000Mbps. 表示正在1000Mbps模式下传输数据。
	On Amber 橙色常亮	The port has a valid 10/100Mbps link. 端口工作在10/100Mbps模式下。
	Blinking Amber 橙色闪烁	Blinking indicates activity for 10/100Mbps. 表示正在10/100Mbps模式下传输数据。
	Off 熄灭	No link. 无效连接。
49 - 52 Port	On Green 绿色常亮	The port has a valid 1000Mbps link. 端口工作在1000Mbps模式下。
	Blinking Green 绿色闪烁	Blinking indicates activity. 闪烁表示正在传输数据。
	Off 熄灭	No link. 无效连接。

*此为A级产品，在生活环境中，该产品可能会造成无线电干扰，在这种情况下，可能需要用户对其干扰采取切实可行的防护措施。
This is a Class A product. This product may cause radio interference, in which case the user may be required to take practical precautions interference.

Declaration on Hazardous Substances in Electronic Information Products

Parts	Hazardous Substances					
	Pb	Hg	Cd	Cr6+	PBB	PBDE
Mechanical part	×	○	○	○	○	○
Board/circuit module	×	○	○	○	○	○
Signal cable	×	○	○	○	○	○
Cable connector	×	○	○	○	○	○
Power adapter	×	○	○	○	○	○
Auxiliary equipment	×	○	○	○	○	○

○: Indicates that the concentration of the hazardous substance contained in all the homogeneous materials of this part is below the limit requirement of the SJ/T 11363−2006 standard. ×: Indicates that the concentration of the hazardous substance contained in all the homogeneous materials of this part is above the limit requirement.

📖 NOTE

1. Mechanical part such as shell: The steel, aluminum or copper materials contain lead.
2. Board and circuit module:
   - The PCB pad contains lead.
   - Ceramic capacitor or feedthrough capacitor or mica capacitor on the board: The ceramic chip contains lead.
   - The resistor inside the clock oscillator is immune from lead.
   - The high temperature type solder, used for the connector inside the transformer, contains more than 85% lead.
   - The luminescence glass of chip inductor contains lead.
   - The high temperature type solder used for the transistor chip contains lead.
   - The glass of resistance layer and protection layer is immune from lead.
   - The pin and solder of the components such as the IC and power unit contain lead.
3. Signal cables: The alloy materials such as the steel, aluminum, and copper materials contain lead.
4. Cable connector: For most connectors, the metal shell, terminal and pin contain lead.
5. Power adapter: The interior contains lead.
6. The circuit board of the auxiliary equipment contains lead. Same as point one and point two.

电子信息产品有毒有害物质申明

部件名称	有毒有害物质或元素					
	铅 （Pb）	汞 （Hg）	镉 （Cd）	六价铬 （Cr6+）	多溴联苯 （PBB）	多溴二苯醚 （PBDE）
结构件	×	○	○	○	○	○
单板/电路模块	×	○	○	○	○	○
信号线	×	○	○	○	○	○
线缆连接器	×	○	○	○	○	○
电源适配器	×	○	○	○	○	○
配套设备	×	○	○	○	○	○

○：表示该有毒有害物质在该部件所有均质材料中的含量在 SJ/T-11363－2006 《电子信息产品有毒有害物质的限量要求》规定的限量要求以下。

×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T11363－2006 规定的限量要求。

📖 说明

7. 外壳等结构件：其中的钢材、铝材或铜材中含铅。
8. 单板/电路模块：
   - PCB 表面焊盘含铅。
   - 单板上陶瓷/穿心/云母电容：瓷芯含铅。
   - 钟振内部电阻含铅豁免。
   - 变压器内部连接点用到铅含量在 85％以上的高温焊料。
   - 贴片电感铅用于光玻璃中。
   - 晶体管芯片焊接使用的高温焊料属于有铅焊料。
   - 电阻层、保护层玻璃含铅豁免。
   - 单板上 IC、电源等元件引脚及焊料含铅。
9. 信号线：其中的钢材、铝、铜等合金材料中含铅。
10. 线缆连接器：大部分连接器金属外壳、端子、引脚含铅。
11. 电源适配器：内部含铅。
12. 配套设备中的电路板含铅，同上述第 1 条、第 2 条。

Warranty Card

Thank you for choosing Huawei Technologies Co., Ltd. – a le ading telecom solution provider. To get better services, please read this warranty card carefully, fill in the required information and preserve this card in good condition.

Your Name	
Address/Postal Code	
Telephone	
Product Type	
Product Serial Number	
Purchase Date	
Invoice Number	
Dealer Name	
Dealer's Address/Telephone	

Preserve well. No reissue.

Dealer's Seal:Limited Warranty

Subject to the exclusions contained below, Huawei Technologies Co., Ltd. (hereinafter referred to as Huawei) warrants its access terminals ("Products") to be free from defects in materials and workmanship under normal consumer usage for three years from the date of purchase of the product ("Warranty period"). During the warranty period, a Huawei authorized service partner shall remedy defects in materials and workmanship free of charge.

Special Notice:
(1) The warranty card shall be applicable only after being stamped by the dealer.
(2) The warranty card must be preserved in good condition and free of any scratch or alteration.
(3) To claim such service for defects that are not included in the following exclusion terms, the warranty card and the invoice that records the product serial number shall be presented to a Huawei authorized service partner.

Exclusions:
In any of the following cases, the warranty card becomes unenforceable or inapplicable without prior notice:
(1) The defects are caused by improper handling in transportation and assembly.
(2) The defects are caused by the fact that the product is dismantled or altered by anyone that is not from a Huawei authorized service partner.
(3) The defects are caused by the fact that the product is used in a harsh environment that is not suitable for the operation of the product.
(4) The defects are caused by any force majeure including but not limited to fire, earthquake, lightning and tsunami.
(5) The defects are caused by the fact that the product is used or handled improperly, roughly or not as instructed in the applicable User Guide.
(6) The normal wear and tear, including but not limited to the normal wear and tear of the shell and the power module, shall not be covered by the limited warranty.
(7) The warranty card is altered or illegible, or the product serial number recorded on the warranty card is inconsistent with the actual one imprinted or labeled on the product.

In any case that is not covered by this limited warranty or should the warranty expire, Huawei shall charge for the service(s) claimed for the products if the product is still remediable.

Huawei preserves the right for interpretation of this limited warranty.

Huawei Technologies Co., Ltd.

Huawei Industrial Base, Bantian, Longgang,

Shenzhen 518129, People's Republic of China

http://enterprise.huwei.com

保修卡

尊敬的用户，感谢您使用华为技术有限公司的产品。为了能更好地为您服务，在购买产品后，请您阅读、填写并妥善保存此保修卡。

用户姓名	
用户地址/邮编	
联系电话	
产品型号	
产品序列号	
购买日期	
发票号码	
销售单位名称	
销售单位地址/电话	

用户保存 遗失不补

销售单位：（盖章）

保修说明

消费者通过合法渠道购买的华为技术有限公司产品，自购机之日起三年内如果出现非人为原因造成的故障，可以享受产品保修服务。

为保证您的合法权益，请注意以下事项：

（1）保修卡须经销售单位盖章后方可生效。

（2）保修卡应由用户妥善保管，遗失不补，涂改无效。

（3）本产品若发生非人为原因造成的故障，用户可凭保修卡和标注有产品编号的购机发票，在保修期内到指定的维修点进行免费维修。

在用户使用的过程中，符合下列情况之一者不在保修范围：

（1）在运输、装卸中造成的故障或损坏；

（2）由于擅自拆机、改装等人为原因造成的故障；

（3）由于使用环境不符合产品要求造成的故障；

（4）由于不可抗因素（如火灾、地震、雷击等）而造成的故障或损坏；

（5）未按设备手册中的要求使用、维护、保养而造成的损坏；

（6）使用过程中引起的设备外壳、电源等的破损；

（7）保修卡与产品序列号不符或者保修卡被涂改。

凡不在免费保修范围内的产品，并且可以维修的，均提供有偿维修服务。本保修内容的最终解释权在华为技术有限公司。

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