SR02SRP2E3 单板手册

1 单板标识

前面板上标有丝印：SR02SRP2E3。

2 单板简介

交换路由板，适用于 SR8805/SR8808/SR8812 核心路由器。

● 单板规格

表1 SR02SRP2E3 单板规格

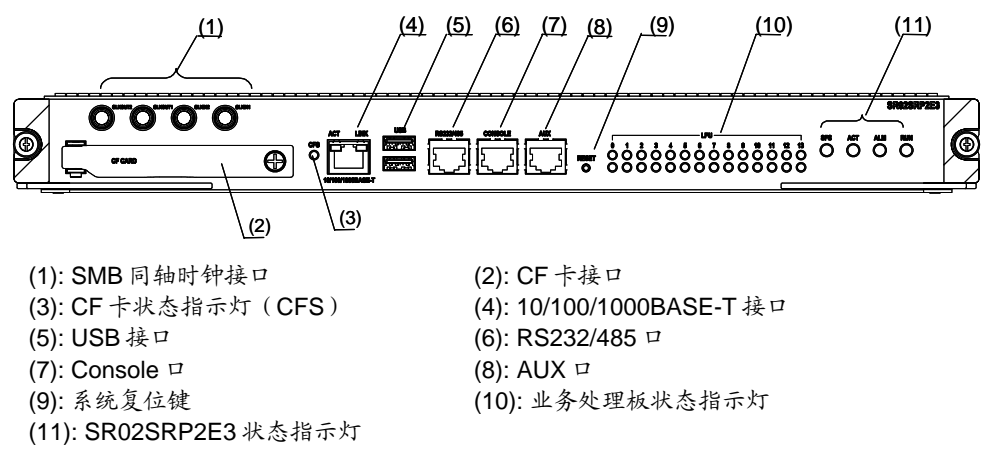| 属性	规格
CPU	MPC7447A
Flash	64MB
BootROM	1MB
SDRAM	1GB（缺省），2GB（可选）
CF 卡	256MB（缺省），1GB（可选）
单板尺寸（W×D）	366.7mm×340mm
对外接口	1 个 Console 口，支持路由器的本地配置管理 1 个 AUX 口，支持路由器的远程拨号配置管理 1 个网管口：支持 10/100/1000BASE-T 接口 1 个 RS232/485 口，RS485 支持级联。 1 个 CF 卡插槽 2 个 SMB 同轴三级时钟输出接口 2 个 SMB 同轴三级时钟输入接口 2 个 USB 接口
最大功耗	135W

● 面板及指示灯

面板和指示灯如下图所示。

(1): SMB 同轴时钟接口   (2): CF 卡接口
(3): CF 卡状态指示灯（CFS）   (4): 10/100/1000BASE-T 接口
(5): USB 接口   (6): RS232/485 口
(7): Console 口   (8): AUX 口
(9): 系统复位键   (10): 业务处理板状态指示灯
(11): SR02SRP2E3 状态指示灯

Figure 1 SR02SRP2E3 面板示意图

📖 说明：

各接口及指示灯的详细说明请参见"产品安装手册"。

单板指示灯含义参见下表。

表2 SR02SRP2E3 单板指示灯说明

指示灯	状态	含义
SFS	灯亮	表示交换网处于工作状态
	灯灭	表示交换网处于备用状态
RUN（绿）	灯常亮	表示单板有故障
	灯常灭	表示单板有故障
	灯闪烁	表示单板正常工作
ALM（红）	灯灭	表示单板无告警
	灯亮	表示单板有告警
ACT（绿）	灯亮	表示该单板为主用
	灯灭	表示该单板为备用
CFS	常亮	表示 CF 卡在位，CF 卡处于操作空闲状态，CF 卡不能热插拔。
	闪烁	表示 CF 卡在位，CF 卡正在读写操作，CF 卡严禁热插拔。
	灭	表示 CF 卡不在位，或者 CF 卡离线（CF 卡在位时通过后台命令使 CF 卡离线），表示 CF 卡可以热插拔。

业务处理板的工作状态指示灯如下表所示。

表3 业务处理板工作状态指示灯说明

指示灯	状态	含义
RUN	灯常亮	表示业务处理板有故障
	灯常灭	表示业务处理板有故障或单板不在位
	灯正常闪烁	表示业务处理板正常工作
	灯快速闪烁	业务处理板启动时 RUN 灯长亮或者快闪，一直处于快闪表示业务处理板注册不成功
ALM	灯常灭	表示业务处理板无告警或单板不在位
	灯常亮	表示业务处理板有告警

3 注意事项

- 安装说明及主机软件版本的升级方法请参见"产品安装手册"的相关章节。
- 如果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最新的主机软件。
- 手册会随产品版本更新而升级，最新的资料请到网站上获取。

SR02SRP2E3 Card Manual

1 Card Identifier

The silkscreen SR02SRP2E3 is printed on the front panel to identify the card.

2 Specifications

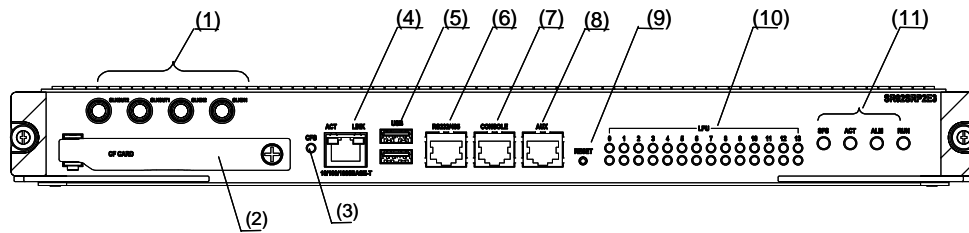SR02SRP2E3 is a switching & routing processing unit (SRPU) used in the SR8805/SR8808/SR8812 core routers.

- Specifications

Table1 SR02SRP2E3 specifications

Item	Specifications
CPU	MPC7447A
Flash	64 MB
Boot ROM	1 MB
SDRAM	1 GB (default); 2 GB (optional)
CF card	256 MB (default); 1 GB (optional)
Dimensions (W × D)	366.7 × 340 mm (14.43 ×13.39 in.)
External port	One console port for local configuration and management
	One AUX port for remote dial-up configuration and management
	One network management port: Supports 10/100/1000BASE-T interface.
	One RS232/485 port; RS485 port supports cascading
	One CF card slot
	Two SMB coaxial stratum-3 clock output interfaces
	Two SMB coaxial stratum-3 clock input interfaces
	Two USB interfaces
Max power consumption	135 W

- Panel and LEDs

The following figure shows the panel and LEDs.

(1): SMB coaxial clock interfaces   (2): CF card interface
(3): CF card status LED (CFS)   (2): 10/100/1000BASE-T interface
(5): USB interfaces   (6): RS232/485 port
(7): Console port   (8): AUX port
(9): RESET button   (10): LPU LEDs
(11): SR02SRP2E3 LEDs

Figure 1 SR02SRP2E3 panel

📖 Note:

For detailed descriptions of the interfaces and LEDs, refer to "Installation Manual".

The following table describes the LEDs.

Table2 SR02SRP2E3 LEDs

LED	Status	Description
SFS	ON	The switching network is running normally.
	OFF	The switching network is standby.
RUN (green)	Steady ON	The card is faulty.
	OFF	The card is faulty.
	Blinking	The card is working normally.
ALM (red)	OFF	The card has no alarm.
	ON	The card has an alarm.
ACT (green)	ON	The card is active.
	OFF	The card is standby.
CFS	Steady ON	The CF card is in position and idle. Do not unplug it now.
	Blinking	The CF card is in position and performing read/write operations. Do not unplug it now.
	OFF	The CF card is out of position or offline (a command can be used at the background to make the CF card offline). You can plug or unplug the CF card now.

The following table describes the LPU LEDs.

Table3 LPU LEDs

LED	Status	Description
RUN	Steady ON	The LPU is faulty.
	OFF	The LPU is faulty or out of position.
	Blinking	The LPU is working normally.
	Fast blinking	During the LPU startup, the RUN LED stays on or blinks fast. If the LED keeps blinking fast, it means the LPU startup has failed.
ALM	OFF	The LPU has no alarm or is out of position.
	Steady ON	The LPU has an alarm.

3 Precautions

- For the installation instructions and the method of host software upgrade, refer to the related sections in "Installation Manual".
- If the host software version does not match the one applicable to the card, contact the vendor or the integrator for the right version.
- The product manual may be updated with the product upgrade. Please access our website to get the latest documents.