Configuration, Status, Specifications

Network Configuration (DHCP)

Once the Service Appliance 100 is installed and powered on, by default, DHCP network configuration is set. For more information, see the Service Appliance 100 (SA-100) Planning, Installation and Administration Guide.

Network Configuration (Static IP) from a Console

- 1. Use a null-modem, DB9 female to DB9 female serial cable to connect the Service Appliance 100 to a console PC.
- 2. On the PC or laptop, start a terminal emulation program and connect to the Service Appliance 100 using these serial communication settings: 19200 bps, 8 data bits, no parity, one stop bit, no handshake.
- **3.** At the login prompt, enter Login: **root** and Password: **ShoreTel**. The default password should be changed upon configuration of the appliance through Director.
- 4. At the prompt, type: stcli to display the configuration commands.
- 5. Choose from the menu options and follow the on-screen instructions for setting network parameters, including IP Address, subnet mask and gateway.

Network Indicator LEDs

Each LAN connector provides two LEDs: Link/Act (Left) and Activity (Right). LAN LED indicators display the activity and communication speed of the connected network.

Indicator	Indicator Code
Link/Activity Indicators are off	The Network Interface Card (NIC) cannot detect an Ethernet network.
Link Indicator is green	The NIC is connected to a valid network at 1000 Mbps.
Link Indicator is amber	The NIC is connected to a valid network at 10/100 Mbps.
Activity indicator is blinking green	Network data is being sent or received.

Specifications

Feature	Specification
Dimensions	1.67 in (4.3 cm) (H) x 17.09 in (43.4cm) (W) x 15.5 in (39.4 cm) (D).
Weight	17.8 lb (8.06 kg).
Input Voltage	100-240 VAC, 50-60 Hz, 4-2 A.
Heat Dissipation	1039 BTU/hour maximum.
Operating Temperature	10 to 35° C with a maximum temperature gradation of 10 degrees C per hour.
Humidity	20-80% relative humidity (non-condensing) with a maximum humidity gradation of 10% per hour.

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PN 800-1449-01

Información de la NOM (sólo para México)

La información que se proporciona a continuación aparece en el dispositivo descrito en este documento, en cumplimiento de los requisitos de la Norma Oficial Mexicana (NOM):

Importador:	Network1 Pico de Veracruz 435, PH, Jardines de la Montana 14210 Mexico D.F.
Número de modelo:	E10S
Voltaje de alimentación:	100–240 V CA
Frecuencia:	50/60 Hz
Consumo eléctrico:	4–2 A



Service Appliance 100 (SA-100)

Quick Install Guide

Mitel

Powering connections

Mitel Networks Corporation 4000 Innovation Drive Kanata, Ontario K2K 3K1 Canada +1 613-592-2122



配置、状态、规格

网络配置(DHCP)

一旦安装 Service Appliance 100 并接通电源,默认情况下,DHCP 网络配置会设定好。要了解更多信息,请参阅 Service Appliance 100 (SA-100) 计划、安装和管理指南。

规格

| 规格

从控制台进行网络配置(静态 IP)

- 1. 使用一根零调制解调器 DB9 母接头到 DB9 母接头的串口电缆,将 Service Appliance 100 连接到一台主控 PC。
- 2. 在 PC 或便携式电脑上,启动终端仿真程序,并在以下串行通信设置下连接到 ServiceAppliance100:19200bps、8个数据位、无奇偶校验位、一个停止 位、无同步交换。
- 3. 在 Mitel 登录提示窗口中输入登录名: root 和密码: Mitel。在通过 Director 进行电器配置时应修改默认密码。
- 4. 在提示窗口中键入: stcli 以显示配置命令。
- 5. 从菜单选项中做出选择,并遵照屏幕说明设置网络参数,包括 IP 地址、子网 掩码和网关。

网络 LED 指示灯

每个LAN接口都提供两个LED: Link/Act(左侧)和Activity(右侧)。LANLED 指示相连网络的活动和通信速度。

指示灯	指示灯代码
Link/Activity 指示灯熄灭	网络接口卡 (NIC) 无法检测出 Ethernet 网络。
Link 指示灯为绿色	NIC以1000Mbps的数据传输率连接到一个有效的网络。
Link 指示灯为琥珀色	NIC 以 10/100 Mbps 的数据传输率连接到一个 有效的网络。
Activity 指示灯为绿色并闪烁	正在发送或接收网络数据。

 尺寸
 1.67 英寸 (4.3 cm) (H) x 17.09 英寸 (43.4 cm) (W) x 15.5 英寸 (39.4 cm) (D)。

 重量
 17.81b (8.06 kg)。

 输入电压
 100-240 VAC, 50-60 Hz, 4-2 A。

 散热
 最高 1039 BTU/ 小时。

 工作温度
 10 至 35 C (每小时温度变化不得超过 10 摄氏度)。

 湿度
 20-80% 相对湿度 (非冷凝) - 每小时湿度变化不得超过 10%。

Información de la NOM (sólo para México)

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Consumo eléctrico:	4 - 2 A	

Service Appliance 100 (SA-100)

快速安装指南



PowerIng connections

Mitel Networks Corporation 4000 Innovation Drive Kanata, Ontario K2K 3K1 Canada +1 613-592-2122

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PN 800-1449-01

Installation

Connections

The Service Appliance 100 package contains:

- Service Appliance 100
- Power cord
- 1U rack mount kit with instructions
- Quick Installation Guide (this guide)
- Front bezel
- Product information guide

About The Service Appliance 100

The Service Appliance 100 is a sealed appliance, optimized for resiliency and security, capable of running ST system services.

The appliance provides connectivity through:

- Two RJ-45 Local Area Network (LAN) connectors (either one may be used).
- One DB-9 (male), RS-232C maintenance port (19200 bps, 8 data bits, no parity, one stop bit, no handshake) for serial communications.

Service Appliance 100 Front Panel Indicators



ltem	Indicator, Button or Connector	Description
1	Power-on indicator/ power button	The power-on indicator lights when the system power is on. The power button controls the internal power supply output to the system. When the system bezel is installed, the power button is not accessible.
2	Hard drive activity indicator	Lights up when the hard drive is in use.
3	Diagnostic indicator lights	The four diagnostic lights display error codes during system startup. See "Diagnostic Lights" in the Maintenance Guide .
4	System status indicator	Lights blue during normal system operation. Lights amber when the system needs attention due to a problem.
5	System identification button	These front and back panel buttons can be used to locate a particular system within a rack containing multiple appliances. When a button is pushed, both front and back indicators light until the button is pushed again.
6	Slide-out system identification panel	The top contains the product ID, part number and serial number. The bottom contains two MAC addresses for the two internal NICs.



ltem	Indicator, Button or Connector	Description
1	Serial connector	Connects a serial device to the system.
2	Ethernet connectors	Embedded 10/100/1000 NIC connectors. The data rate and connection type are auto-negotiated.
3	System status indicator	Lights blue during normal system operation. Lights amber when the system needs attention due to a problem.
4	System identification button	These front and back panel buttons can be used to locate a particular system within a rack containing multiple appliances. When a button is pushed, both front and back indicators light until the button is pushed again.
5	Power Supply	250 W power supply AC power cable connection.
6	Retention clip	Secures the power cable.

Installation Equipment

To install the appliance, you need the following equipment

- AC surge protector for the power connection (optional)
- One (1) RJ-45 cable for connecting the appliance to the local area network #2 Phillips screwdriver

Installation Location Requirements

To ensure optimum operating conditions for the Service Appliance 100, verify the operating environment is adequately ventilated, free of gas or airborne particles, and isolated from electrical noise.

Installing the Service Appliance 100 in a 19-inch Rack

The Service Appliance 100 can be mounted in a 19-inch rack only by using the rack mount kit provided.

Refer to the installation instructions included in the rack mount kit.

Servicing Procedures

WARNING: The Service Appliance 100 contains no internal fieldserviceableparts. Return the equipment to Mitel for any required service procedures.

Connecting the Service Appliance 100 to the Network



Once the Service Appliance 100 is secured to a rack, it can be connected to the data network.

Use an RJ-45 Ethernet cable to connect one or both of the LAN ports to the network subnet.



Powering on the Service Appliance 100

After connecting the appliance to the network, power on the device by connecting it to an AC power source.

- 1. Plug an AC surge protector (not provided) into a grounded AC power source.
- 2. Plug one end of the provided power cord into the receptacle on the back of the appliance, then plug the other end into the AC surge protector.
- 3. Press the power-on indicator/power button on the front of the unit.

The power-on indicator button should now be lit.

- If the power-on indicator/button is not lit, make sure the power cord is plugged into the appliance and the power source.
- If any of the four diagnostic LEDs on the front panel (numbered 1 to 4) remains lit after a few minutes, there is an internal error. Refer to the "Diagnostic Lights" section in the Maintenance Guide for information on error codes, or contact Mitel Support at https://www.mitel.com/support.

The LAN ports auto-sense the network transport rate. When the network connection is established, the network LED indicates a transport rate of 100 Mbps or 1000 Mbps, and whether there is network activity.

Installing the Service Appliance 100 bezel

Connect the bezel to the Service Appliance 100 as shown in the figure below. Remove and store the optional locking key in a secure location.



女浓

Service Appliance 100 包装内含

Service Appliance 100 电源线 1 套机架安装套件和说明书 快速安装指南 (本指南)

前挡板 产品信息指南

Service Appliance 100 简介

Service Appliance 100 是一种密封式电器,经优化后具有适应力和安全性,能够 运行 Mitel 服务。

该电器通过以下部件确保连通性:

两个 RJ-45 局域网 (LAN) 连接器 (可使用任何一个)。

一个 DB-9 (公头)、RS-232C 串行通信维护端口 (19200 bps、8 个数据位、 无奇偶校验位、一个停止位、无同步交换)。

Service Appliance 100 前面板指示灯





项目	指示灯、按钮或接口	说明
1	串行接口	连接一个串口设备到系统上。
	10101	
2	Ethernet 接口 古古	嵌入式 10/100/1000 NIC 接口。数据传输 率和连接类型是自适应的。
3	系统状态指示灯	系统正常工作时,指示灯为绿色。系统出现 需要引起注意的故障时,指示灯为琥珀色。
4	系统识别按钮	这些前面板和后面板按钮可用来定位一个包 含多个电器的机架内的特定系统。当按下某 个按钮时,前后指示灯均点亮,再次按按钮 时,指示灯会熄灭。
5	电源	250 W 电源 AC 电缆连接。
6	固定夹具	固定电缆。

安装设备

安装该电器需要准备以下设备

- 用于电源连接的交流浪涌电压保护器(可选
- 一(1) 根用于连接交换机与局域网的 RJ-45 电缆
- 2 号菲利普斯式改锥

安装场所要求

为保证 Service Appliance 100 拥有最理想的工作条件,请确认工作环境充分通 风,没有气体或尘埃颗粒,并且不受电气噪声的影响。

将 Service Appliance 100 安装到一个 19 英寸的机架中 Service Appliance 100 只能用随机提供的机架安装套件安装到一个 19 英寸机架中。

请参阅机架安装套件内包含的安装说明。

维修程序

警告: Service Appliance 100 不包含任何可现场维修的零件。请将任何需要维修的设备退回给 Mitel。

将 Service Appliance 100 连接到网络



GB1 5-5 GB2

一旦将 Service Appliance 100 固定到机架上,它就可以连 接到数据网络。

使用一条RJ-45以太网电缆将一个或两个LAN端口连接到 网络子网。

尽管两个端口都能够检测和响应链路状态,该电器一次只使用 一个 LAN 端口。

接通 Service Appliance 100 的电源

将该电器连接到网络后,将其连接到交流电源,为其通电。

- 1. 将交流浪涌电压保护器(未提供)插入接地的交流电源。
- 2. 将所提供的电源线一端插入电器后部的插孔,然后将另一端插入交流浪涌电压 保护器。
- 3. 按下设备正面的电源指示灯 / 电源按钮。

电源指示灯按钮现在应点亮。

如果电源指示灯 / 按钮未点亮, 请确保电源线已插入电器和电源。 如果前面板上的四个 LED (1 至 4) 中有任何一个在几分钟之后依然亮着,说

明出现了内部错误。请参阅 Mitel 维护指南"诊断指示灯"部分,了解关于错 误代码的信息,或登录 http://www.mitel.com/support ,联系 Mitel 支持服务部。

LAN 端口会自动检测网络传输速率。网络连接建立后,网络 LED 会指示传输速率

安装 Service Appliance 100 挡板

如下图所示,将挡板连接到 Service Appliance 100。取下可选装的锁定开关,并 存放在安全位置。

