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SYSTEM OVERVIEW

The SCS family of Secure Console Servers enables IT professionals to remotely and securely configure and administer serial-equipped devices.

The SCS1600 and SCS3200 models are distinguished by the number of high-speed asynchronous RJ45 serial ports they have. The SCS1600 has 16 serial ports and the SCS3200 has 32 serial ports that connect to the following kinds of devices:

- Servers
- Hubs
- Routers
- Telcom switches
- UPS systems
- PBX systems

Both SCS models have an AUI connector and a UTP (10Base-T, 100Base-TX) port for Ethernet connections. Both support baud rates between 300 and 230,400 bits per second.

Both SCS models provide an In-Band and Out-of-Band management feature. In-Band lets you manage your equipment over the network from virtually anywhere using familiar tools like Telnet. Out-of-Band allows dial-in access through a modem. Plus, the SCS ensures data integrity through its authentication and authorization features.

WHAT’S IN THE BOX

In addition to the SCS, the box contains the following items:

<table>
<thead>
<tr>
<th>Part #</th>
<th>Component Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCS1600</td>
<td>Documentation CD-ROM and Quick Start Guide</td>
</tr>
<tr>
<td>083-000</td>
<td>Rack mount brackets with screws</td>
</tr>
<tr>
<td>500-103</td>
<td>Cable: 6’ RJ45 to DB9 Female (Connect to DTE Device)</td>
</tr>
<tr>
<td>500-041</td>
<td>US power cord</td>
</tr>
<tr>
<td>500-119</td>
<td>European power cord</td>
</tr>
<tr>
<td>500-120</td>
<td>UK power cord</td>
</tr>
<tr>
<td>SCS3200</td>
<td>Documentation CD-ROM and Quick Start Guide</td>
</tr>
<tr>
<td>083-007</td>
<td>Rack mount brackets with screws</td>
</tr>
<tr>
<td>500-103</td>
<td>Cable: 6’ RJ45 to DB9 Female (Connect to DTE Device)</td>
</tr>
<tr>
<td>500-041</td>
<td>US power cord</td>
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<td>500-119</td>
<td>European power cord</td>
</tr>
<tr>
<td>500-120</td>
<td>UK power cord</td>
</tr>
</tbody>
</table>
IP ADDRESSING

Your unit must have a unique IP address on your network.

The systems administrator generally provides the IP address. The IP address must be within a valid range, unique to your network, and in the same subnet as your PC. You'll need the following information before you set up the unit. (See Assign IP)

IP Address: ______ ______ ______ ______
Subnet Mask: ______ ______ ______ ______

CONNECT

1) Mount or place the SCS in a secured room.
2) Connect serial devices to the serial ports.
3) Connect your network to the SCS (via one of its Ethernet ports)
4) Connect the power cord to a power outlet.
5) Wait about 30 seconds.
6) Confirm the following:
   a) OK LED blinks green
   b) Link LED glows green
7) Confirm that the 100 LED glows green if there is a 100Mb connection on the Ethernet port.

PINOUT ASSIGNMENTS

- Optional Accessory Cables:
  - 500-101: Cable: 6’ RJ45 to DB9 Male (Connect to DCE Device)
  - 500-102: Cable: 6’ RJ45 to DB25 Male (Connect to DCE Device)
  - 500-103: Cable: 6’ RJ45 to DB9 Female (Connect to DTE Device)
  - 500-104: Cable: 6’ RJ45 to DB25 Female (Connect to DTE Device)
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### ASSIGN IP

1) Open EZWebCon on the CD-ROM.

2) Click **Action ➔ Assign IP Address**.
3) Select the MAC address of your SCS device and click **Next**.
4) Select **Assign Specific IP** and click **Next**.
5) Type your IP Address.
6) Confirm the Subnet Mask Address.
7) For **Gateway**, select **None**.
8) Click **Next**.
9) Click the **Assign IP** button.
10) Click the **Done** button.

**Note**: Your device name and IP address should be listed in the EZWebCon window. If it is not, minimize and then restore the window.

### CONFIGURE

1) In the EZWebCon window, click the device name you wish to configure.
2) Click **Action ➔ Manage**.
   **Note**: Your Web browser opens.
3) Enter login username, **login**, and password, **access**.
4) Click the **Login** button. The Server Configuration window displays.

### SERVER CONFIGURATION

**Note**: When you click one of the headings listed on the left, you are prompted to enter the privileged username, **root**, and password, **system**. Once in, you should change this password, **system**, and the login password, **access**, to more secure passwords.
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**CONFIGURE (CONTINUED)**

5) Configure a group of settings:
   a) Select a link from the left navigation column, for example, **Ports**.
   b) Enter the username, **root**, and the password, **system**. If a “remember password” popup window displays, select **No** and re-enter the password if necessary.
   c) Confirm that a window similar to this displays:

   ![PORT PROPERTIES PAGE](image)

6) Click the **Configure** link for the port you want to configure.

7) Confirm that the following screen displays:

   ![SERIAL PORT SETTINGS PAGE](image)

8) Configure the port settings and click the **Update Port Settings** button at the bottom of the window when finished.
9) Repeat step 5 for the other groups of settings.
10) To close the active sessions and implement the changes, power cycle to reboot.
**TROUBLESHOOT**

LEDs on the front of the SCS indicate Ethernet and serial activity. The significance of these LEDs is explained in the following table:

<table>
<thead>
<tr>
<th>LED</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activity</td>
<td>Network transmissions</td>
</tr>
<tr>
<td>OK</td>
<td>SCS functional when blinking slowly</td>
</tr>
<tr>
<td>100</td>
<td>Valid 100Base-T connection</td>
</tr>
<tr>
<td>Link</td>
<td>Valid 10/100Base-T connection</td>
</tr>
<tr>
<td>Power</td>
<td>SCS energized</td>
</tr>
</tbody>
</table>

**CONTACT INFORMATION**

For questions and technical support, please check our online knowledge base at [www.lantronix.com/support](http://www.lantronix.com/support)

If you need additional help call us at:

- (800) 422-7044 Domestic
- (949) 453-7198 International
- (949) 450-7226 Fax

Lantronix

15353 Barranca Parkway, Irvine, CA 92618, USA

Phone: (949) 453-3990 • Fax: (949) 453-3995 • [www.lantronix.com](http://www.lantronix.com)