

Lantronix SLC80482201S

Lantronix SLC 8000 Console Server (SLC80482201S) User Manual

1. PRODUCT OVERVIEW

The Lantronix SLC 8000 Console Server is an advanced console manager designed to provide secure remote access and management capabilities for various IT equipment. This device enables system administrators and engineers to administer and manage IT assets from any location, at any time, contributing to reduced deployment costs and time.

Key features of the SLC 8000 include:

- **Centralized Monitoring and Management:** Facilitates comprehensive oversight and control of connected devices.
- **Modular Design:** Offers flexibility and scalability for various deployment scenarios.
- **Integrated Security:** Ensures secure access and data transmission for critical IT infrastructure.



Figure 1: Front view of the Lantronix SLC 8000 Console Server, showing the display and status indicators.

2. SETUP INSTRUCTIONS

Follow these steps for the initial setup of your Lantronix SLC 8000 Console Server.

2.1 Unpacking and Inspection

1. Carefully remove the console server from its packaging.
2. Inspect the device for any signs of physical damage that may have occurred during transit. If damage is found, contact your vendor immediately.
3. Verify that all components listed in the packing slip are present.

2.2 Physical Installation

The SLC 8000 is designed for rack-mounting. Ensure adequate ventilation around the unit.

- Mount the console server securely into a standard 19-inch equipment rack using the provided mounting hardware.
- Ensure sufficient space for cable management at the front and rear of the unit.

2.3 Connecting Power

Connect the power supply to the console server and a suitable power source.

- Connect the power cord to the power inlet on the rear panel of the SLC 8000.
- Plug the other end of the power cord into a grounded electrical outlet or a power distribution unit (PDU).

2.4 Network and Device Connections

Connect the console server to your network and the devices you intend to manage.



Figure 2: Rear view of the Lantronix SLC 8000 Console Server, illustrating network, console, and power ports.

1. **Ethernet Connections:** Connect one or both Gigabit Ethernet ports to your network infrastructure. The SLC 8000 supports dual Gigabit Ethernet for public and management networks.
2. **Console Port Connections:** Connect the serial console ports of your IT equipment (e.g., servers, routers, switches, firewalls, UPSs) to the corresponding console ports on the SLC 8000 using appropriate serial cables. The SLC 8000 supports up to 48 console ports depending on the model configuration.
3. **USB Connections:** If required, connect USB devices to the available USB 2.0 ports.
4. **Out-of-Band Connections:** For out-of-band access, connect any optional dial-up or cellular modems to the designated ports as per their respective instructions.

2.5 Initial Configuration Access

After physical connections are complete, power on the device and access it for initial configuration.

- Power on the SLC 8000.
- Access the device via Telnet/SSH or a web browser-based console client using its default IP address or network discovery tools. Refer to the Lantronix documentation for default access credentials and initial network configuration procedures.

3. OPERATING INSTRUCTIONS

The SLC 8000 allows for secure and flexible management of connected IT equipment.

3.1 Accessing Managed Devices

You can access the console ports of your managed devices through the SLC 8000 using several methods:

- **Telnet/SSH:** Establish a secure shell (SSH) or Telnet connection to the SLC 8000 and then select the desired console port to connect to the target device.
- **Web Browser:** Utilize the web-based console client provided by the SLC 8000 for graphical access and management of connected devices.

3.2 Command Line Interface (CLI) Management

The SLC 8000 enables users to leverage the command line interface of most IT equipment for various

administrative tasks.

- **Reconfiguration:** Modify settings and configurations on connected devices.
- **Rebooting:** Initiate reboots of servers, routers, or other network devices.
- **Firmware Reloading:** Update or reload firmware on managed equipment from a single point of contact.

3.3 In-band and Out-of-band Access

The console server supports both primary and alternative access methods:

- **In-band Network Access:** Utilize the dual Gigabit Ethernet connections for management over your primary network.
- **Out-of-band Connections:** In case of primary network failure, access the SLC 8000 via dial-up or cellular connectivity (if configured) to maintain control over your IT infrastructure.

3.4 Supported Devices

The SLC 8000 can securely access and control a wide variety of IT and network equipment through their serial ports, including but not limited to:

- Linux, UNIX, or Windows servers
- Routers, switches, and firewalls
- PBXs (Private Branch Exchanges)
- UPSs (Uninterruptible Power Supplies)
- Building access devices

4. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your SLC 8000 Console Server.

4.1 Firmware Updates

Periodically check the Lantronix website for available firmware updates. Keeping the firmware current ensures access to the latest features, security patches, and performance improvements.

- Download the latest firmware from the official Lantronix support portal.
- Follow the provided instructions for applying firmware updates, typically through the web interface or CLI.

4.2 Environmental Considerations

Ensure the operating environment meets the specified conditions to prevent overheating and component failure.

- Maintain proper airflow around the unit.
- Keep the operating temperature within the recommended range.
- Avoid excessive dust and humidity.

4.3 Cleaning

Clean the exterior of the device periodically to prevent dust buildup.

- Use a soft, dry cloth to wipe down the chassis.
- Do not use liquid cleaners or aerosols directly on the device.

5. TROUBLESHOOTING

This section provides guidance for common issues you might encounter with the SLC 8000 Console Server.

5.1 Power Issues

- **No Power Indicator:** Ensure the power cord is securely connected to both the device and a functional power outlet. Verify the power source is active.
- **Intermittent Power:** Check for loose power connections or faulty power cables. Consider connecting to a different power source or PDU.

5.2 Network Connectivity Problems

- **Cannot Access Web Interface/SSH:** Verify that the Ethernet cables are properly connected to the network ports and that network link lights are active. Check the device's IP configuration and ensure it is on the same network segment or reachable from your management station.
- **No Out-of-Band Access:** Confirm that any dial-up or cellular modems are correctly installed and configured. Check the status of the out-of-band connection.

5.3 Device Access Issues

- **Cannot Connect to Managed Device Console:** Ensure the serial cable connecting the SLC 8000 to the target device is correct and securely attached. Verify the serial port settings (baud rate, data bits, parity, stop bits) on the SLC 8000 match those of the managed device.
- **Garbled Output:** This often indicates a mismatch in serial port settings. Double-check the baud rate, data bits, parity, and stop bits for the specific console port.

5.4 System Reset

If the device becomes unresponsive, a system reset may be necessary. Refer to the full Lantronix documentation for specific reset procedures, as these can vary.

6. SPECIFICATIONS

The following are key technical specifications for the Lantronix SLC 8000 Console Server (SLC80482201S):

- **Model Number:** SLC80482201S
- **Console Ports:** Up to 48 serial console ports (model dependent)
- **USB 2.0 Ports:** 2
- **Network Interface:** Dual Gigabit Ethernet
- **Hardware Interface:** Ethernet
- **Compatible Devices:** PC (for management)
- **Operating System (Management):** PC compatible
- **Item Weight:** 11.09 pounds (approximately 5.03 kg)
- **Product Dimensions (LxWxH):** 23 x 14.5 x 4.5 inches (approximately 58.42 x 36.83 x 11.43 cm)
- **Manufacturer:** LANTRONIX
- **ASIN:** B00OGR1NPY
- **UPC:** 783384236486
- **First Available Date:** October 13, 2014

7. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the official documentation included with your product or visit the Lantronix website. Warranty terms and conditions may vary by region and purchase date.

If you require technical assistance or have questions regarding your Lantronix SLC 8000 Console Server, please contact Lantronix customer support through their official website or the contact information provided in your product's packaging.

- **Lantronix Official Website:** www.lantronix.com
- **Support Resources:** Access FAQs, knowledge base articles, and driver downloads on the Lantronix support portal.