

May 27, 2005

PCN No.: PCN-025

Product Change Notice

Dear Valued Lantronix Customer,

The purpose of this document is to notify you of a firmware update to our SecureLinx™ SLC Console Managers. Beginning June 1, 2005, the following products will begin shipping with version 3.0 firmware.

Model Number	Description
SLC8	SLC 8 port, Single or Dual AC; Dual DC
SLC16	SLC 16 port, Single or Dual AC; Dual DC
SLC32	SLC 32 port, Single or Dual AC; Dual DC
SLC48	SLC 48 port, Single or Dual AC; Dual DC

Version 3.0 includes the following features and enhancements. While a number of new features and capabilities have been added to SLC, action is not required unless electing to implement these new features.

Feature/Enhancement	Description and Benefit
Integration	
SLP Remote Power Manager	For use in applications where integrated AC power control is required, SLC now supports a directly attached (via RS-232) SLP Remote Power Manager. Using the web or command line (CLI) interface of the SLC, users have On/Off/Reboot control of the SLP's outlets and the ability to view system information of the SLP.
Ease-of-Use	
PC Card Web Setup	The PC Card web configuration has been updated to include separate configuration pages for Storage and Modem/ISDN type cards, resulting in quicker and easier setup.
CLI 'Tab' Completion	For Command Line (CLI) users, Tab Completion speeds up administration and remote server/device access, and minimizes the need for additional product documentation. After entering a partial keyword, users can press the Tab key to complete the command, or to display a list of acceptable commands or parameters.
LCD Boot Status	On power-up, additional status messages are displayed on the front panel LCD during the boot process.

Security

Console Port Inactivity Timeout	The dedicated console (RS-232) port now supports connection timeouts (configurable: 1 to 30 minutes) for improved security. In the event a user fails to log-out or leaves a laptop/terminal connected to the SLC, the connection will be closed after a period of inactivity.
Configuration Audit Log	For improved security, all configuration changes to the SLC are stored in an Audit Log. Any and all changes made via the web, command line (CLI) or front keypad are stored in non-volatile memory. Each Audit Log entry includes a date/time stamp, username and the action performed.
Telnet/SSH to Port Authentication	Direct telnet/SSH connections to device ports now support both local user and remote authentication, ensuring only authorized access to attached servers/devices. A user configurable escape sequence (i.e. ESC+A) is provided to close a connection.
Secure File Transfer (sftp)	Secure File Transfer Protocol (sftp) is now supported for exchange of SSH keys, firmware updates, and configuration save/restore.

Connectivity

SSH Public Key Support	The SLC now support SSH Public Key Authentication, which allows secure incoming/outgoing connections, without exposing passwords over an unsecured network. Both OpenSSH and ssh.com public (or 'shared') keys are supported, as well as means of secure key transfer.
Outgoing SSH Options	Additional options on outgoing SSH connections are now supported, including: username, SSH version, and command.
Web SSH	Web SSH allows remote users with a Java enabled browser to securely connect to servers/devices attached to the specified SLC as well any other units accessible via the SLC Network. This feature provided cross-platform access to any SLC attached server/device using just a web browser, making the SLC more easily accessible from most anywhere.
SLC Network Enhancements	The SLC Network now supports statically assigned SLC devices, allowing users to view and manage SLCs outside of the local subnet. This provides quick and easy access to both SLCs and the attached servers/devices via both the web and command line (CLI) interfaces.
Raw TCP Connections	Incoming 'raw' TCP connections to device ports are now supported, to facilitate management system scripting, and integration with various serial (RS-232) devices. Like telnet/SSH-to-port, raw TCP connections support authentication.
Remote Syslog Support	Syslog information can now be directed to a remote server for remote logging of system status message.

Connectivity (continued)

SNMP MIB-II and Private MIBs	Support for SNMP MIB-II and private MIBs, allows full access to read all configuration parameters of the SLC, for more robust integration with enterprise systems.
New SNMP Traps	Additional SNMP traps are now supported to provide notification of critical events. These additional traps include: SLC shutdown, Power Supply Status, SysAdmin password change, and Device Port Logging.
ISDN PC Card Support	Optional ISDN PC Cards may be installed for remote access. Both Basic Rate Interface (BRI) and Euro ISDN (ETSI-DSS1) services are supported — only one 64K channel may be used at a time. Use of the SLC's built-in PC Card slots means that RS-232 device ports are not used for external ISDN modem connections, providing more servers/devices to be connected.
DNS Servers Displayed	To more quickly troubleshoot networking issues, the IP address of DNS servers acquired through DHCP may be viewed on both the web and command line (CLI) interfaces.
Configurable TCP Keepalive	TCP Keepalive parameters are now user accessible; allowing adjustment of how long a TCP connection is alive.

An upgrade patch and release notes are now available on the Lantronix web site:
<http://www.lantronix.com/support/downloads.html>.

For more information, contact Lantronix Customer Support at (866) 649-0721 or (949) 453-3990 x342.

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