

SNMP Management of Tripp Lite Devices



Introduction

Tripp Lite LX Platform devices (such as WEBCARDLX, PDU3E-series PDUs, PDU3XE-series PDUs and LX-suffix PDUs) contain an Ethernet network interface that enables remote monitoring, control and condition reporting. The LX Platform supports several methods for performing these functions:

1. Direct Access

LX Platform devices support the following direct-access interfaces:

- Web interface, using a standard web browser (such as Chrome)
- Menu interface -- via a Telnet or SSH session -- using a terminal emulator
- Command Line Interface (CLI), accessed via Telnet or SSH session

2. Management Software

A wide variety of management software applications is available in the marketplace (examples include SolarWinds, Zabbix, What's Up Gold and PowerIQ). Typically, these applications will discover Tripp Lite devices on the network, but additional integration effort may be required to access all monitoring and control capabilities.

3. SNMP Commands

Management Information Base (MIB) browsers and similar utilities facilitate the use of Simple Network Management Protocol (SNMP) commands for monitoring and control of devices. **Note:** *The remainder of this document focuses on this method.*

SNMP Commands

Like many industry-standard, network-accessible devices available today, LX Platform devices communicate via SNMP. MIB browsers are commonly used to establish SNMP communication with devices for configuring, monitoring and controlling devices. MIB browsers (such as those offered by iReasoning and ManageEngine) are available as free downloads from the Internet. Management Software applications (described above) often employ an embedded MIB browser in their operations.

Before establishing SNMP communications with an LX Platform device, ensure the latest Tripp Lite MIBs are uploaded to the MIB browser. The Tripp Lite MIB package is available for free download on Tripp Lite's website (see link below). **Note:** *MIBs should be loaded in the order specified in the Release Notes, which are contained in the MIB package.*

<https://assets.tripplite.com/firmware/tripplite-mib.zip>

Once the Tripp Lite MIBs have been loaded and communication is established with the LX Platform device, perform an SNMP Walk to view the extent of available device information. Referencing the screenshot below, enter the IP address of the Tripp Lite device in the Address field, then select "Walk" from the Operations pulldown menu. The Result Table will display the walk contents.

Name/OID	Value	Type	IP
tripUpsInputPhaseVolta...	2137	Gauge	172.17.48.70...
tripUpsInputPhaseVolta...	1854	Gauge	172.17.48.70...
tripUpsInputPhaseVolta...	2297	Gauge	172.17.48.70...
tripUpsOutputSource.1	economy (9)	Integer	172.17.48.70...
tripUpsOutputNominalV...	208	Gauge	172.17.48.70...
tripUpsOutputFrequenc...	600	Gauge	172.17.48.70...

