

ENVIROMUX-MINI-LX

Quick Installation Guide

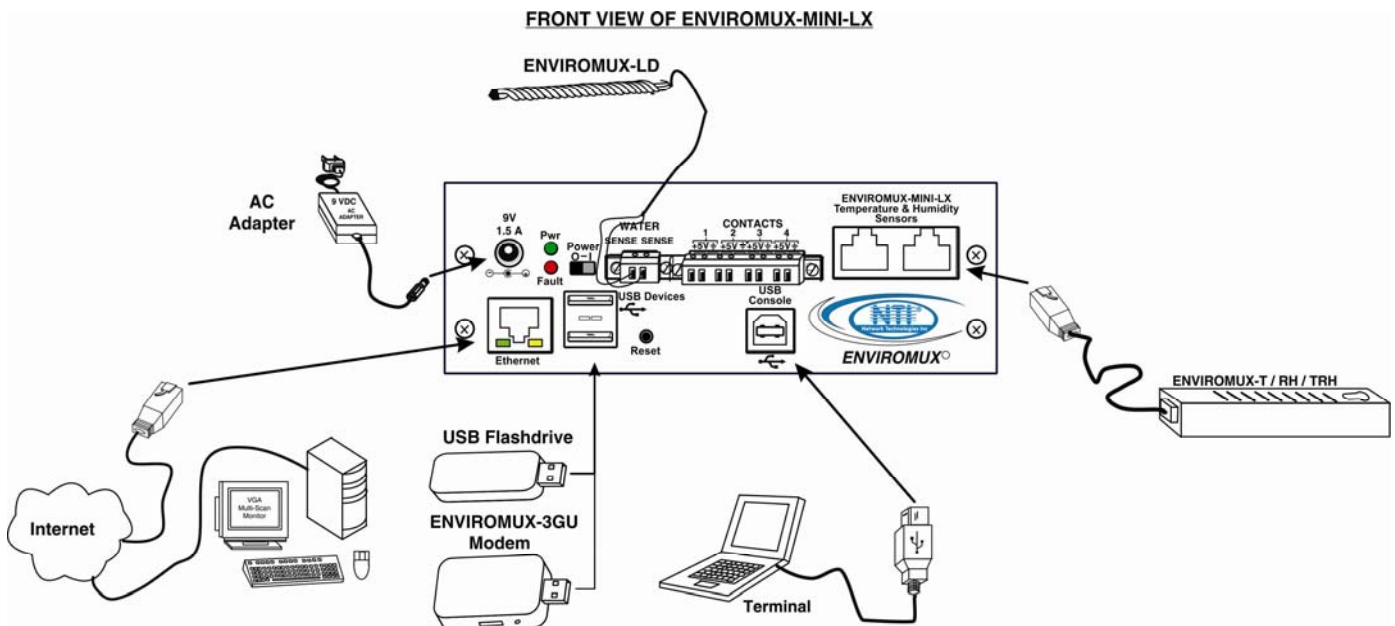


The ENVIROMUX-MINI-LX (ENVIROMUX) is a Server Environment Monitoring System designed to monitor, from a remote location, the critical environmental conditions in cabinets and rooms containing servers, hubs, switches and other network components. Remote monitoring is provided via a 10/100BaseT Ethernet web interface, secure web interface, SSH, or Telnet. The input data is filtered, collected, analyzed and processed to allow the user to configure it to meet individual requirements. The user is able to specify parameters for all monitored signals. When a sensor exceeds the configured threshold, the unit will signal an alert. Alert methods include email, SMS, SNMP traps, web-page alerts, and a visual indicator (red LED).

The ENVIROMUX-MINI-LX will monitor temperature, humidity, and detect the presence of water on a flat surface (such as the floor). The unit also has four sets of terminal block pairs for the connection of contact-closure sensors

Installation

1. Mount the ENVIROMUX as desired. Remove the tabs from the rear, turn them around, and re-secure. Mount ENVIROMUX to the wall or within in a rack. (We have provided screws for Zero-RU mounting only. Use appropriate hardware for wall mounting.)
2. Connect each of the sensors (purchased separately) to the ENVIROMUX. Mount the sensors where they are needed.
 - A. Connect Temperature and/or Humidity sensors to the RJ45 ports on the ENVIROMUX.
 - B. Connect contact sensors (i.e. ENVIROMUX-GBS-P glass break sensor, ENVIROMUX-SDS-PA smoke detection sensor, and others) to the terminal blocks labeled "CONTACTS". Connect each two-wire contact sensor using 16-26 AWG wire.
3. Connect the ENVIROMUX to the Ethernet.
4. Connect the ENVIROMUX to the Ethernet for maximum remote system management using the "Ethernet" port and CAT5/5e/6 patch cable.
5. For limited local system control via serial communication connect a terminal to the "USB Console" port using a USB A-B male-to-female cable (provided). Install drivers (found on CD) to PC (see manual page 9 for instruction).
6. Connect the AC adapter.



Setup

1. Use the Device Discovery Tool (on the CD provided) to locate the ENVIROMUX on the network. Update the IP address, Mask, and Gateway as needed to connect to the local network. Click on *Submit* to update the ENVIROMUX.

Note: The Device Discovery Tool requires the Java Runtime Environment to operate. A link to the web page from which it can be downloaded and installed is provided on the CD.

Note: The computer using the Device Discovery Tool and the ENVIROMUX must be connected to the same physical network in order for the Device Discovery Tool to work.

2. Type the updated IP address into the browser address bar.
3. Log in to the web interface as the administrator- **username = root password= nti** (letters are case sensitive)
4. Configure Network and SMTP server settings (**Administration->Network**).
5. Set the date and time.
6. Configure SNMP settings.
7. Add users (**Administration->Users->Add New User**) and specify email address, contact methods, etc. as needed.
8. Temperature and Humidity sensors will be automatically detected. External contact sensors and sensors connected to "CONTACTS" must be added manually through the web interface before configuring them.
9. Configure sensors (**Monitoring->Summary->Select a sensor->Configure button**) as desired for thresholds, sampling, alert notification methods, etc.
10. Configure the log settings (**Log->Log Settings**) for log record overflow action and contact methods.
11. To access ENVIROMUX using a terminal locally connected to the "USB Console" port (shown in drawing above), set port on terminal at 115200bps, 8-N-1, no flow.

Press <Enter>,

Type <root> at the login prompt and press <Enter>,

Type <nti> for the password at the menu login screen,

Press <Enter> again to access the main menu.

Available Sensors (Sold separately) :

| Model | Description |
|------------------|---------------------------------|
| ENVIROMUX-T-x | Temperature Sensor |
| ENVIROMUX-RH-x | Humidity Sensor |
| ENVIROMUX-TRH-x | Temperature and Humidity Sensor |
| ENVIROMUX-LDx-y | Liquid Detection Sensor-Digital |
| ENVIROMUX-SDS-PA | Smoke Detection Sensor |
| ENVIROMUX-CMD-P | Carbon Monoxide Detector |
| ENVIROMUX-M-DCS | Door Contact Sensor |
| ENVIROMUX-IMD-P | Infrared Motion Sensor |
| ENVIROMUX-GBS-P | Glass Break Sensor |
| ENVIROMUX-EBS | Emergency/Panic Button |
| ENVIROMUX-TDS | Tamper Switch |

For more details, specifications, and troubleshooting tips, see the Installation and Operation Manual or go to www.networktechinc.com.