Connecting to an MLB via LAN

PassPoint Express version 1.1 supports a connection between the Host computer and the MLB over an existing Ethernet Local Area Network (LAN). The steps and materials required to implement this connection are described in this document.

Required Materials:

Lantronix MSS1:

MSS1-T-01	Universal thin server, Flash ROM, 1 DB25 serial port, 115Kbps per port, 10BASE-T, diag-nostic LEDs, concurrent IPX,TCP/IP and LAT support, CD-ROM with EZWebCon software, comm port redirector software and reference manual, external 120V
MSS1-T-02	Same as above with external 220V
MSS1-T2-01	Universal thin server, Flash ROM, 1 DB25 serial port, 115Kbps per port, 10BASE-T and 10BASE-2, diagnostic LEDs, concurrent IPX, TCP/IP and LAT support, CD-ROM with EZWebCon software, comm port redirector software and reference manual, external 120V
MSS1-T2-02	Same as above with external 220V

PassPoint PC with a working Ethernet Network connection capable of supporting TCP/IP

PassPoint Access Control system

Initial Steps:

1) If you are using the PassPoint system for the first time:
   a) Install the software in the target PC
   b) Configure a new account
   c) Direct connect to the PassPoint hardware and download. This will ensure that the access system is working before inserting the Network hardware into the system.

2) Have your Network Administrator assign a fixed IP address for the Lantronix equipment. It is recommended that you write the IP address on the outside of the Lantronix box for future reference.
3) Be sure there are LAN connections available at both the PC and the MLB.

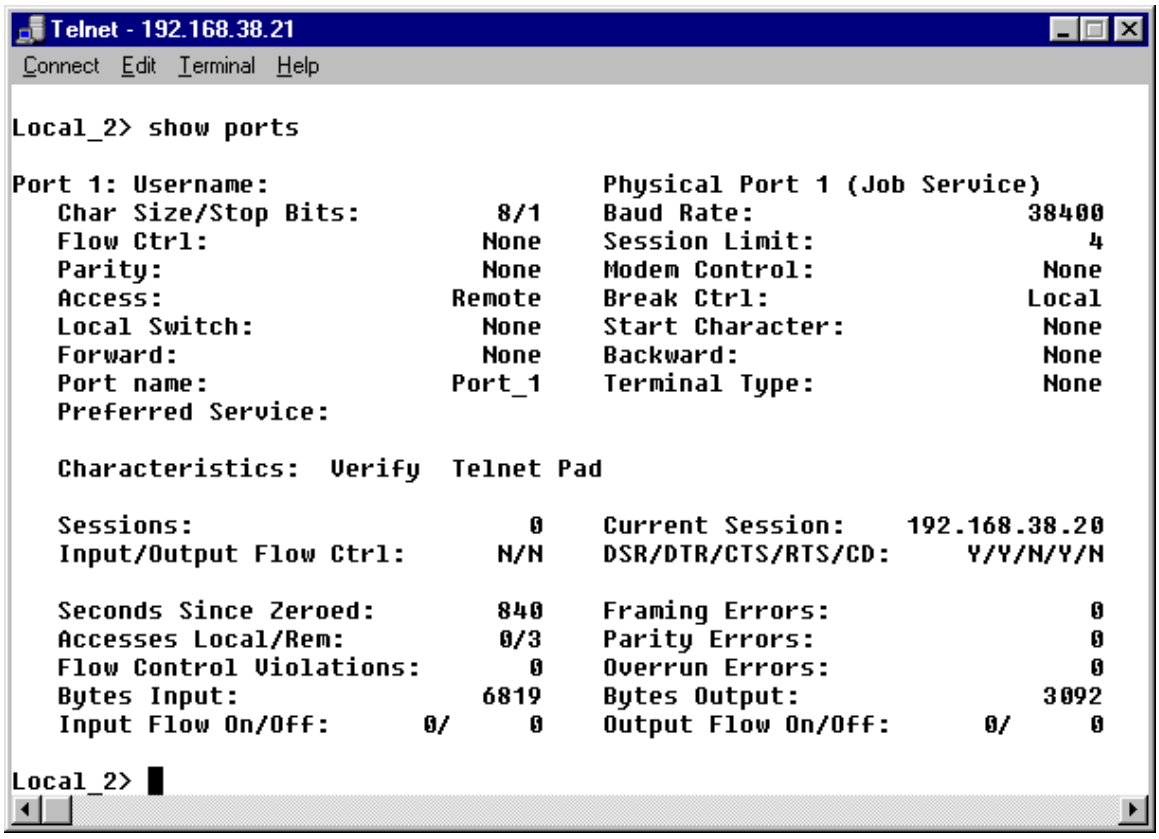
Configuring the Lantronix equipment:

It is strongly encouraged that you familiarize yourself with the Lantronix equipment and documentation. The information here assumes that the equipment is either brand new, or that it has been reset to factory defaults.

1) Connect the Lantronix equipment to a serial port on your PC. The serial cable that comes with the Access Starter Kit is ideal for this purpose, and should be used.
2) Run Hyperterminal at 9600, N, 8, 1
3) Hit the <Enter> key once. You should see a prompt:
   Username>
4) Type the word:
   login
   and press the <Enter> key.
5) You should see a prompt:
   Local_1>
6) Enter the text:
   set privileged
   and press the <Enter> key.
7) You should see a prompt:
   Password>
8) Type the factory default password:
   system
   and press the <Enter> key.
9) You should see a Local_1>> prompt, similar to the one you saw before. You are logged on to the equipment and may now proceed with the configuration.
10) To set the IP Address that you obtained from your LAN's Network Administrator (shown here as xxx.xxx.xxx.xxx), type:
    change ipaddress xxx.xxx.xxx.xxx
    and press the <Enter> key.
11) Continue in a similar fashion as above, typing the following configuration commands and pressing the <Enter> key after each one:
    change silentboot enabled
    change access remote
    change speed 38400
    change flow control none
    logout
12) You should see the text:
    Exiting the Lantronix MSS1xx
13) Remove and reapply power to the Lantronix equipment to ensure a hard reset has occurred.

Testing a connection to the Lantronix equipment:

1) Connect the Lantronix equipment to the appropriate network connection.
2) With your PassPoint computer properly connected to the network:
   a) Select {Start, Programs, MS-DOS Prompt}
   b) Type:
      telnet xxx.xxx.xxx.xxx
      where xxx.xxx.xxx.xxx is the IP Address that you obtained from your LAN's Network Administrator.
3) You should see the Lantronix MSS1 signon and the Username> prompt.
4) Type in the word:
      login
   and press the <Enter> key.
5) You should see a prompt:
      Local_2>
6) Type in the words:
      Show ports
   and press the <Enter> key.
7) You should see a screen similar to the following image:



This would indicate that the system has been configured and you are ready to attempt to incorporate it into the PassPoint system.

8) At the Local_2> prompt type:
      logout
   and press the <Enter> key.

9) Exit the Telnet software and close the MS-DOS window.

Configuring PassPoint:

1) Start PassPoint Express.
2) From the main screen select {Comm, Setup}
3) In the Select Media Parameters for MLB1 screen, configure the following:
   a) In Database Params:
      i) Port = 1
      ii) Baud = 38400
   b) Set Medium to LAN
   c) Configure the LAN Name/IP to xxx.xxx.xxx.xxx, where xxx.xxx.xxx.xxx is the IP Address that you obtained from your LAN's Network Administrator.
4) Hit the Update button to save any changes you might have made.
5) Hit the Close button.

Connecting PassPoint through the Network:

1) Connect the RS-232 port of the Lantronix equipment to the MLB. The cable that comes with the starter kit will work fine for this purpose.
2) From the main screen select {Comm, Connect}
3) Press the Connect button on the Connect MLB Server screen.
4) After a short time, the communication window should disappear and you should be communicating to the MLB.