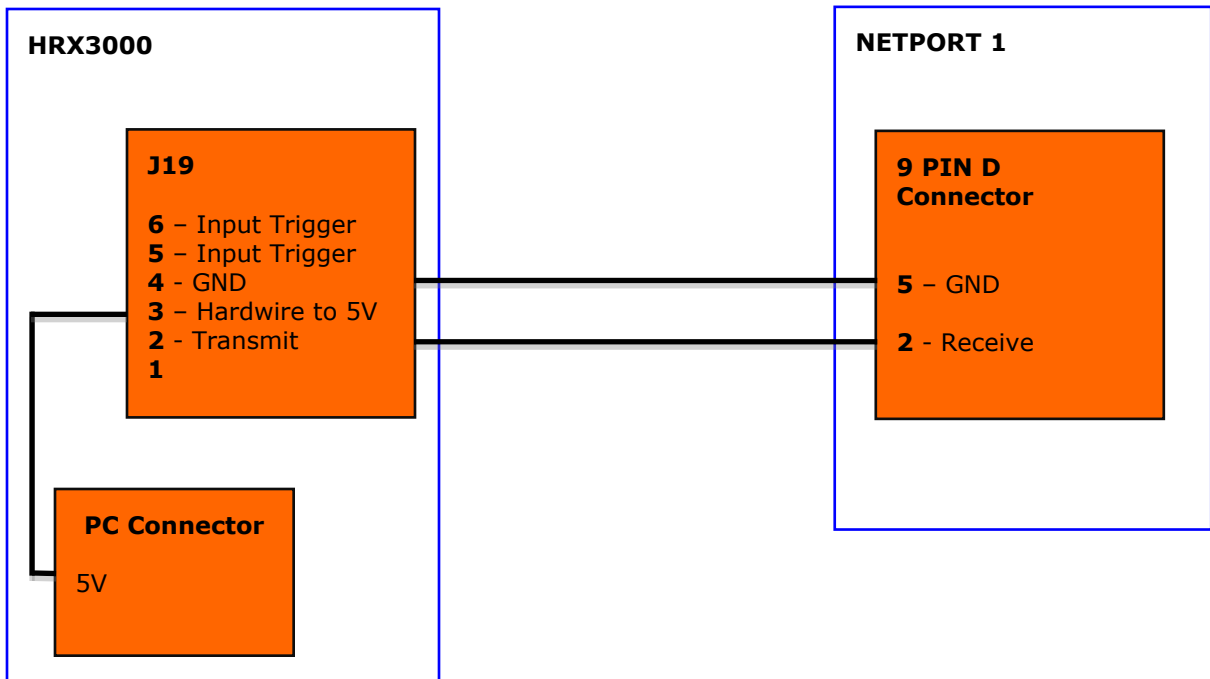
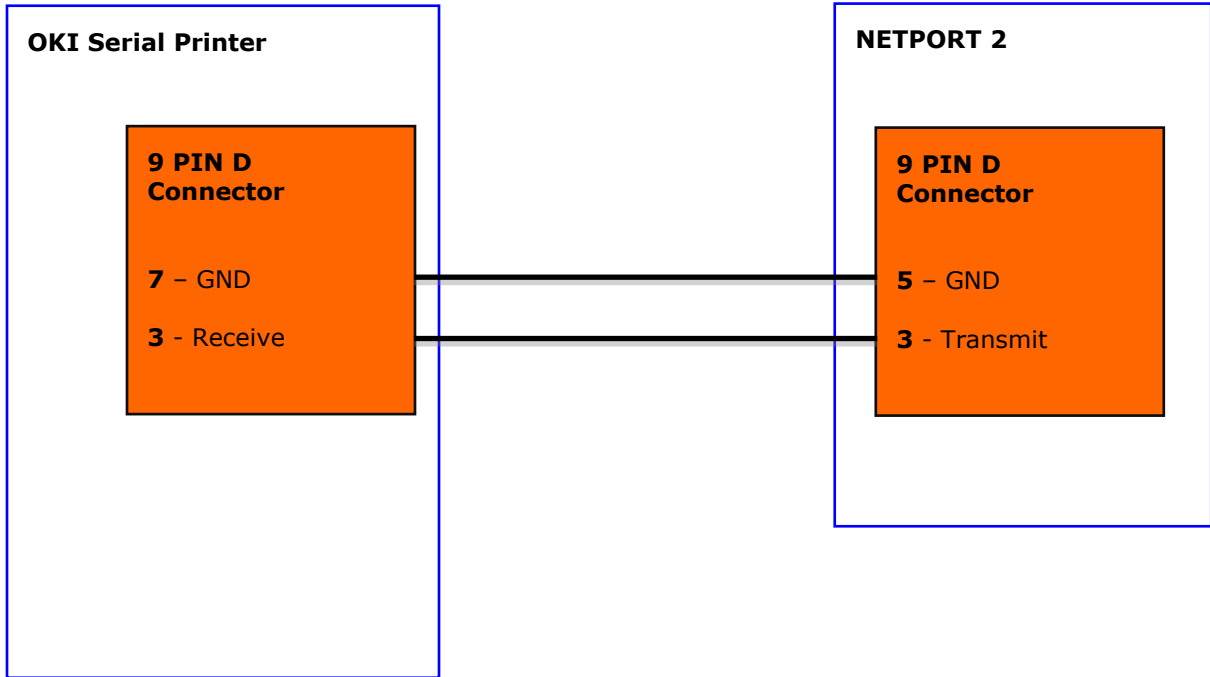


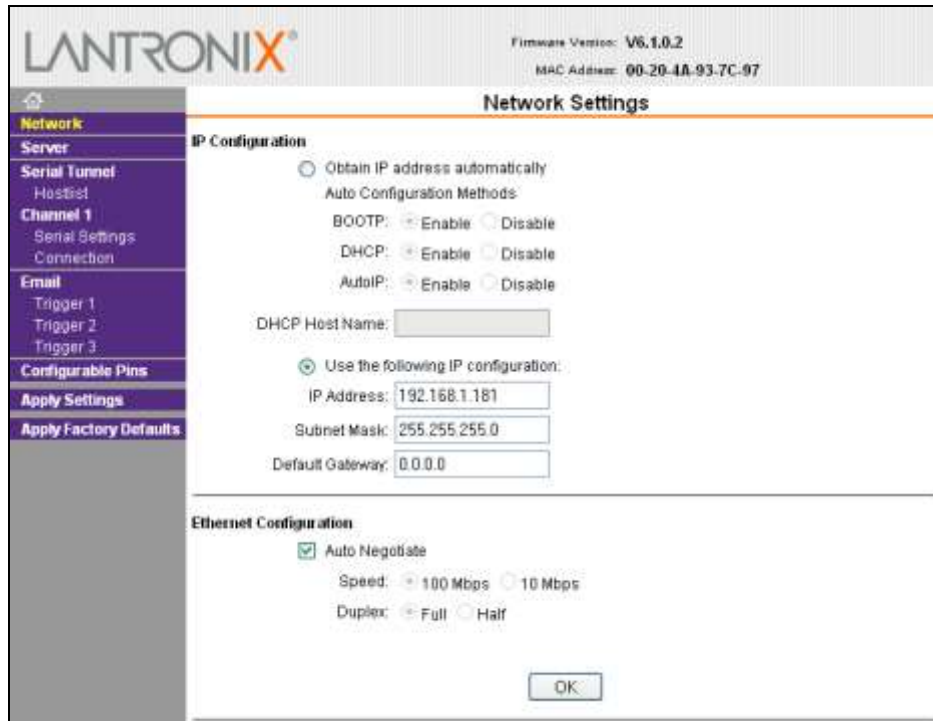
**Fire Alarm Connections from an HRX terminal to an Oki 4600 Serial Printer**

This document shows how to connect the Oki 4600 serial printer to an HRX terminal via two Lantronix Netport adapters using serial tunneling via TCP/IP.





**Settings for Netport 1 (HRX side)**



**LANTRONIX** Firmware Version: V6.1.0.2  
MAC Address: 00-20-4A-93-7C-97

**Network Settings**

**IP Configuration**

Obtain IP address automatically

Auto Configuration Methods:

BOOTP:  Enable  Disable

DHCP:  Enable  Disable

AutoIP:  Enable  Disable

DHCP Host Name:

Use the following IP configuration:

IP Address:

Subnet Mask:

Default Gateway:

---

**Ethernet Configuration**

Auto Negotiate

Speed:  100 Mbps  10 Mbps

Duplex:  Full  Half



**LANTRONIX** Firmware Version: V6.1.0.2  
MAC Address: 00-20-4A-93-7C-97

**Hostlist Settings**

**Retry Settings**

Retry Counter:  Retry Timeout:

**Host Information**

No.	Host Address	Port	No.	Host Address	Port
1	<input type="text" value="192.168.1.100"/>	<input type="text" value="8080"/>	2	<input type="text" value="0.0.0.0"/>	<input type="text" value="0"/>
3	<input type="text" value="0.0.0.0"/>	<input type="text" value="0"/>	4	<input type="text" value="0.0.0.0"/>	<input type="text" value="0"/>
5	<input type="text" value="0.0.0.0"/>	<input type="text" value="0"/>	6	<input type="text" value="0.0.0.0"/>	<input type="text" value="0"/>
7	<input type="text" value="0.0.0.0"/>	<input type="text" value="0"/>	8	<input type="text" value="0.0.0.0"/>	<input type="text" value="0"/>
9	<input type="text" value="0.0.0.0"/>	<input type="text" value="0"/>	10	<input type="text" value="0.0.0.0"/>	<input type="text" value="0"/>
11	<input type="text" value="0.0.0.0"/>	<input type="text" value="0"/>	12	<input type="text" value="0.0.0.0"/>	<input type="text" value="0"/>

**LANTRONIX** Firmware Version: V6.1.0.2  
MAC Address: 00-20-4A-93-7C-97

**Serial Settings**

Channel 1  
 Disable Serial Port

**Port Settings**  
 Protocol: RS232 Flow Control: None  
 Baud Rate: 9600 Data Bits: 8 Parity: None Stop Bits: 1

**Pack Control**  
 Enable Packing  
 Idle Gap Time: 12 msec  
 Match 2 Byte Sequence:  Yes  No  
 Match Bytes: 0x00 0x00 (Hex)  
 Send Frame Only:  Yes  No  
 Send Trailing Bytes:  None  One  Two

**Flush Mode**

<b>Flush Input Buffer</b>	<b>Flush Output Buffer</b>
With Active Connect: <input type="radio"/> Yes <input checked="" type="radio"/> No	With Active Connect: <input type="radio"/> Yes <input checked="" type="radio"/> No
With Passive Connect: <input type="radio"/> Yes <input checked="" type="radio"/> No	With Passive Connect: <input type="radio"/> Yes <input checked="" type="radio"/> No
At Time of Disconnect: <input type="radio"/> Yes <input checked="" type="radio"/> No	At Time of Disconnect: <input type="radio"/> Yes <input checked="" type="radio"/> No

OK

**LANTRONIX** Firmware Version: V6.1.0.2  
MAC Address: 00-20-4A-93-7C-97

**Connection Settings**

Channel 1  
Connect Protocol: TCP

**Connect Mode**

<b>Passive Connection:</b>	<b>Active Connection:</b>
Accept Incoming: Yes	Active Connect: Auto Start
Password Required: <input type="radio"/> Yes <input checked="" type="radio"/> No	Start Character: 0x00 (In Hex)
Password: <input type="text"/>	Modem Mode: None
	Mdm Esc Seq Pass Thru: <input checked="" type="radio"/> Yes <input type="radio"/> No

**Endpoint Configuration:**  
 Local Port: 8888  Auto increment for active connect  
 Remote Port: 8888 Remote Host: 192.168.1.180

**Common Options:**  
 Telnet Mode: Disable Connect Response: None  
 Terminal Name:  Use HostList:  Yes  No LED: Blink

**Disconnect Mode**  
 On Mdm\_Ctrl\_In Drop:  Yes  No Hard Disconnect:  Yes  No  
 Check EOT(Ctrl-D):  Yes  No Inactivity Timeout: 0 : 0 (mins : secs)

OK

**LANTRONIX** Firmware Version: V6.1.0.2  
MAC Address: 00-29-4A-93-7C-97

### Configurable Pin Settings

CP	Function	Direction	Active Level
0	General Purpose I/O	<input type="radio"/> Input <input checked="" type="radio"/> Output	<input checked="" type="radio"/> Low <input type="radio"/> High
1	General Purpose I/O	<input type="radio"/> Input <input checked="" type="radio"/> Output	<input checked="" type="radio"/> Low <input type="radio"/> High
2	Flow Control In (RTS)	<input type="radio"/> Input <input type="radio"/> Output	<input checked="" type="radio"/> Low <input type="radio"/> High

OK

**Settings for Netport 2 (Printer side)**



**LANTRONIX** Firmware Version: V6.1.0.2  
MAC Address: 00-20-4A-93-7C-97

**Network Settings**

**IP Configuration**

Obtain IP address automatically

Auto Configuration Methods:

BOOTP:  Enable  Disable

DHCP:  Enable  Disable

AutoIP:  Enable  Disable

DHCP Host Name:

Use the following IP configuration:

IP Address:

Subnet Mask:

Default Gateway:

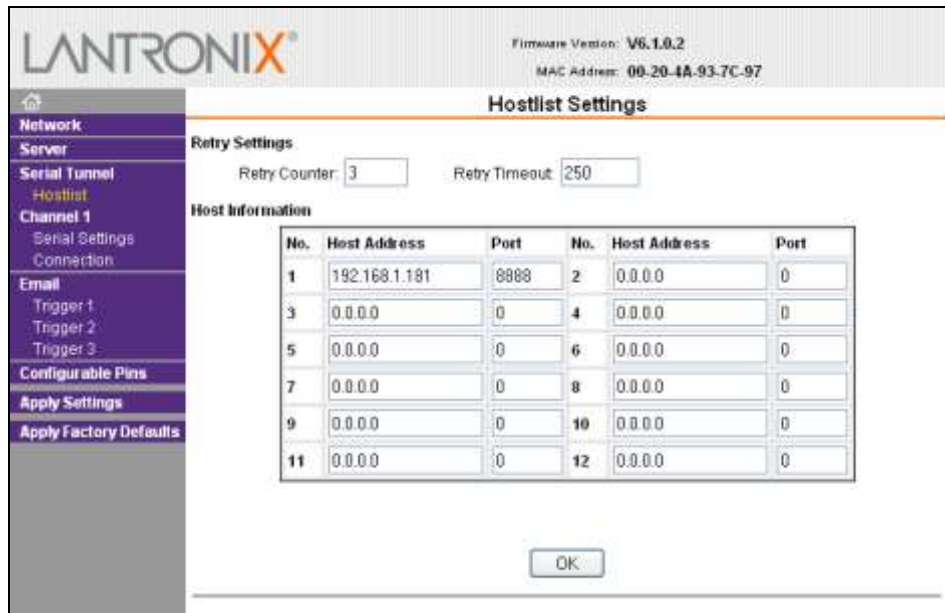
---

**Ethernet Configuration**

Auto Negotiate

Speed:  100 Mbps  10 Mbps

Duplex:  Full  Half



**LANTRONIX** Firmware Version: V6.1.0.2  
MAC Address: 00-20-4A-93-7C-97

**Hostlist Settings**

**Retry Settings**

Retry Counter:       Retry Timeout:

**Host Information**

No.	Host Address	Port	No.	Host Address	Port
1	<input type="text" value="192.168.1.181"/>	<input type="text" value="8888"/>	2	<input type="text" value="0.0.0.0"/>	<input type="text" value="0"/>
3	<input type="text" value="0.0.0.0"/>	<input type="text" value="0"/>	4	<input type="text" value="0.0.0.0"/>	<input type="text" value="0"/>
5	<input type="text" value="0.0.0.0"/>	<input type="text" value="0"/>	6	<input type="text" value="0.0.0.0"/>	<input type="text" value="0"/>
7	<input type="text" value="0.0.0.0"/>	<input type="text" value="0"/>	8	<input type="text" value="0.0.0.0"/>	<input type="text" value="0"/>
9	<input type="text" value="0.0.0.0"/>	<input type="text" value="0"/>	10	<input type="text" value="0.0.0.0"/>	<input type="text" value="0"/>
11	<input type="text" value="0.0.0.0"/>	<input type="text" value="0"/>	12	<input type="text" value="0.0.0.0"/>	<input type="text" value="0"/>

**LANTRONIX** Firmware Version: V6.1.0.2  
MAC Address: 00-20-4A-93-7C-97

**Serial Settings**

Channel 1  
 Disable Serial Port

**Port Settings**  
 Protocol: RS232 Flow Control: None  
 Baud Rate: 9600 Data Bits: 8 Parity: None Stop Bits: 1

**Pack Control**  
 Enable Packing  
 Idle Gap Time: 12 msec  
 Match 2 Byte Sequence:  Yes  No  
 Match Bytes: 0x00 0x00 (Hex)  
 Send Frame Only:  Yes  No  
 Send Trailing Bytes:  None  One  Two

**Flush Mode**

<b>Flush Input Buffer</b>	<b>Flush Output Buffer</b>
With Active Connect: <input type="radio"/> Yes <input checked="" type="radio"/> No	With Active Connect: <input type="radio"/> Yes <input checked="" type="radio"/> No
With Passive Connect: <input type="radio"/> Yes <input checked="" type="radio"/> No	With Passive Connect: <input type="radio"/> Yes <input checked="" type="radio"/> No
At Time of Disconnect: <input type="radio"/> Yes <input checked="" type="radio"/> No	At Time of Disconnect: <input type="radio"/> Yes <input checked="" type="radio"/> No

OK

**LANTRONIX** Firmware Version: V6.1.0.2  
MAC Address: 00-20-4A-93-7C-97

**Connection Settings**

Channel 1  
Connect Protocol: TCP

**Connect Mode**

<b>Passive Connection:</b>	<b>Active Connection:</b>
Accept Incoming: Yes	Active Connect: Auto Start
Password Required: <input type="radio"/> Yes <input checked="" type="radio"/> No	Start Character: 0x00 (In Hex)
Password: <input type="text"/>	Modem Mode: None
	Mdm Esc Seq Pass Thru: <input checked="" type="radio"/> Yes <input type="radio"/> No

**Endpoint Configuration:**  
 Local Port: 8888  Auto increment for active connect  
 Remote Port: 8888 Remote Host: 192.168.1.181

**Common Options:**  
 Telnet Mode: Disable Connect Response: None  
 Terminal Name:  Use HostList:  Yes  No LED: Blink

**Disconnect Mode**  
 On Mdm\_Ctrl\_In Drop:  Yes  No Hard Disconnect:  Yes  No  
 Check EOT(Ctrl-D):  Yes  No Inactivity Timeout: 0 : 0 (mins : secs)

OK

**LANTRONIX** Firmware Version: V6.1.0.2  
MAC Address: 00-20-4A-93-7C-97

### Configurable Pin Settings

CP	Function	Direction	Active Level
0	General Purpose I/O	<input checked="" type="radio"/> Input <input type="radio"/> Output	<input checked="" type="radio"/> Low <input type="radio"/> High
1	General Purpose I/O	<input checked="" type="radio"/> Input <input type="radio"/> Output	<input checked="" type="radio"/> Low <input type="radio"/> High
2	Flow Control In (RTS)	<input type="radio"/> Input <input type="radio"/> Output	<input checked="" type="radio"/> Low <input type="radio"/> High

OK