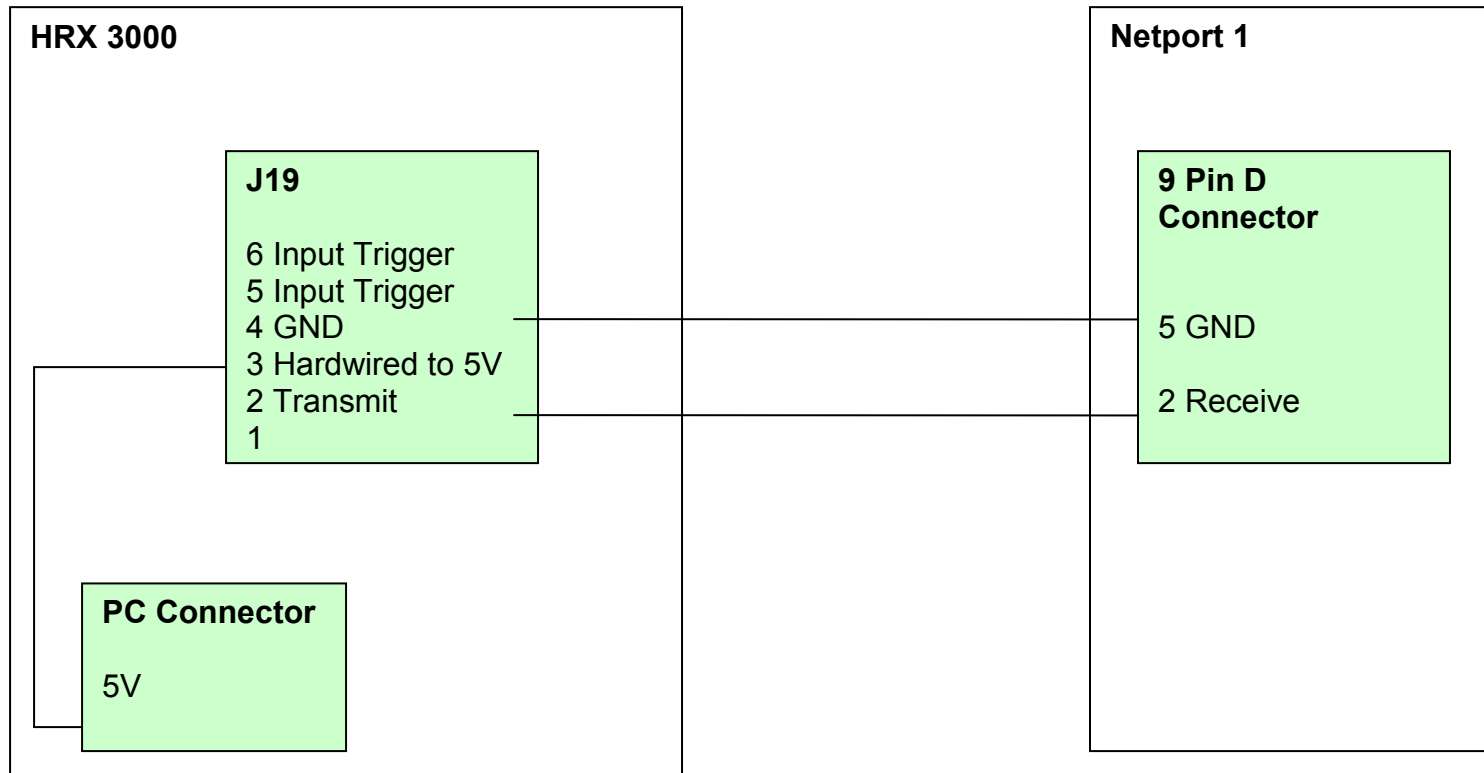
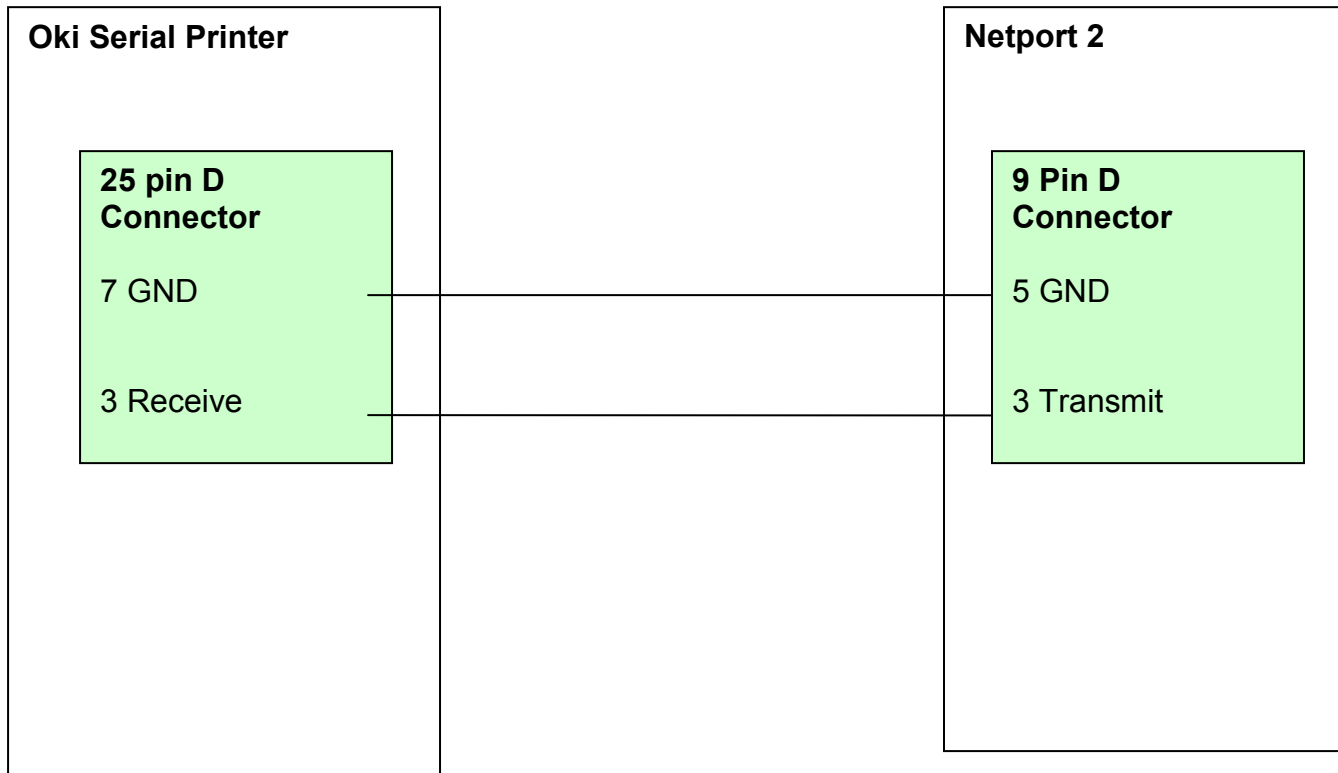


**Fire Alarm Connections from an HRX terminal to an Oki 4600 Serial Printer via two Lantronix Netport adapters using Serial Tunneling via TCP/IP**





## Settings for Netport 1 (HRX side)

**LANTRONIX®** Firmware Version: V6.1.0.2  
MAC Address: 00-20-4A-93-27-FE

**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:

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**Ethernet Configuration**

Auto Negotiate

Speed:  100 Mbps  10 Mbps

Duplex:  Full  Half

**LANTRONIX®** Firmware Version: V6.1.0.2  
MAC Address: 00-20-4A-93-27-FE

**Hostlist Settings**

**Retry Settings**

Retry Counter:     Retry Timeout:

**Host Information**

No.	Host Address	Port	No.	Host Address	Port
1	<input type="text" value="192.168.1.180"/>	<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"/>

- Network
- Server
- Serial Tunnel
- Hostlist
- Channel 1
- Serial Settings
- Connection
- Email
- Trigger 1
- Trigger 2
- Trigger 3
- Configurable Pins
- Apply Settings
- Apply Factory Defaults

### Serial Settings

Disable Serial Port

**Channel 1**

**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      Send Frame Only:  Yes  No

Match Bytes: 0x00 0x00 (Hex)      Send Trailing Bytes:  None  One  Two

**Flush Mode**

**Flush Input Buffer**

With Active Connect:  Yes  No

With Passive Connect:  Yes  No

At Time of Disconnect:  Yes  No

**Flush Output Buffer**

With Active Connect:  Yes  No

With Passive Connect:  Yes  No

At Time of Disconnect:  Yes  No

- Network
- Server
- Serial Tunnel
- Hostlist
- Channel 1
- Serial Settings
- Connection
- Email
- Trigger 1
- Trigger 2
- Trigger 3
- Configurable Pins
- Apply Settings
- Apply Factory Defaults

### Channel 1

**Connect Protocol**

Protocol: TCP

**Connect Mode**

**Passive Connection:**      **Active Connection:**

Accept Incoming: Yes      Active Connect: Auto Start

Password Required:  Yes  No      Start Character: 0x0D (in Hex)

Password:       Modem Mode: None

Mdm Esc Seq Pass Thru:  Yes  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)

- Network
- Server
- Serial Tunnel
- Hostlist
- Channel 1
- Serial Settings
- Connection
- Email
- Trigger 1
- Trigger 2
- Trigger 3
- Configurable Pins
- Apply Settings
- Apply Factory Defaults

### Configurable Pin Settings

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

## Settings for Netport 2 (Printer side)

**LANTRONIX®** Firmware Version: V6.1.0.2  
MAC Address: 00-20-4A-93-7C-A2

### Network Settings

- Network
- Server
- Serial Tunnel
- Hostlist
- Channel 1
- Serial Settings
- Connection
- Email
- Trigger 1
- Trigger 2
- Trigger 3
- Configurable Pins
- Apply Settings
- Apply Factory Defaults

**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-A2

### Hostlist Settings

- Network
- Server
- Serial Tunnel
- Hostlist
- Channel 1
- Serial Settings
- Connection
- Email
- Trigger 1
- Trigger 2
- Trigger 3
- Configurable Pins
- Apply Settings
- Apply Factory Defaults

**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-A2

### 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**

**Flush Input Buffer**

With Active Connect:  Yes  No

With Passive Connect:  Yes  No

At Time of Disconnect:  Yes  No

**Flush Output Buffer**

With Active Connect:  Yes  No

With Passive Connect:  Yes  No

At Time of Disconnect:  Yes  No

OK

LANTRONIX® Firmware Version: V6.1.0.2  
MAC Address: 00-20-4A-93-7C-A2

### Connection Settings

Channel 1

**Connect Protocol**

Protocol: TCP

**Connect Mode**

**Passive Connection:**

Accept Incoming: Yes

Password Required:  Yes  No

Password:

**Active Connection:**

Active Connect: Auto Start

Start Character: 0x0D (in Hex)

Modem Mode: None

Mdm Esc Seq Pass Thru:  Yes  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)

LANTRONIX® Firmware Version: V6.1.0.2  
MAC Address: 00-20-4A-93-7C-A2

### 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 checked="" type="radio"/> Input <input type="radio"/> Output	<input checked="" type="radio"/> Low <input type="radio"/> High

OK