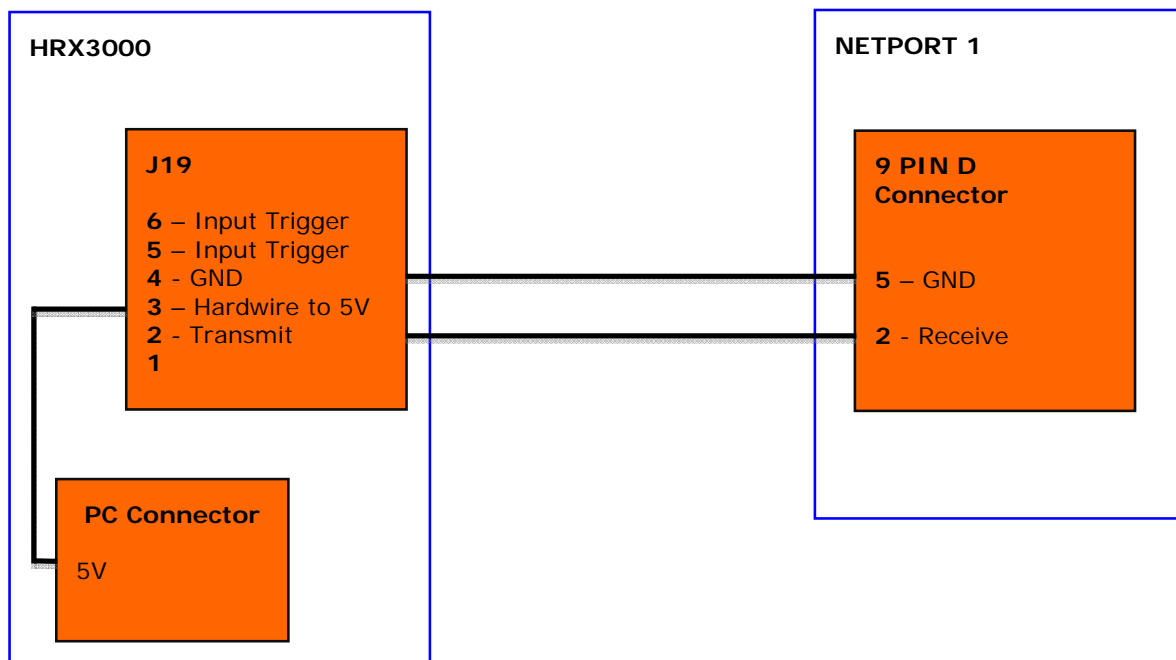
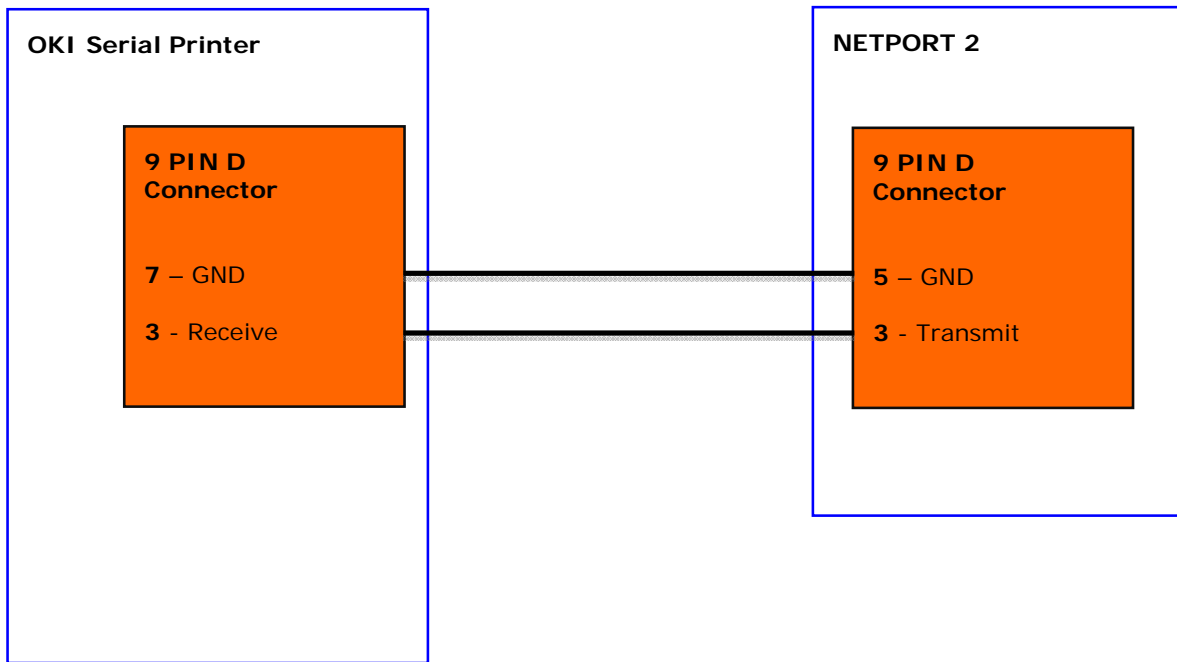



Fire Alarm Connections from an HRX terminal to an Oki 4600 Serial Printer

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)



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

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



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

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="192.168.1.180"/>	<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"/>

INST015-01 - Egress Systems Limited

W: www.egress-sys.co.uk

T: +44 (0) 1636 816827

3



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

Serial Settings

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

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	Flush Output Buffer
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



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

Connection Settings

- Network
- Server
- Serial Tunnel
- 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: <input type="radio"/> Yes <input checked="" type="radio"/> No	Start Character: 0x0D (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)



The Old Wheelhouse, Hall Farm Yard,
Main Street, Kirklington,
Nottinghamshire, NG22 8NN


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 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)



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

Home

Network

Server

Serial Tunnel

Hostlist

Channel 1

Serial Settings

Connection

Email

Trigger 1

Trigger 2

Trigger 3

Configurable Pins

Apply Settings

Apply Factory Defaults

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



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

Home

Network

Server

Serial Tunnel

Hostlist

Channel 1

Serial Settings

Connection

Email

Trigger 1

Trigger 2

Trigger 3

Configurable Pins

Apply Settings

Apply Factory Defaults


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"/>



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

Serial Settings

- [Home](#)
- [Network](#)
- [Server](#)
- [Serial Tunnel](#)
- Channel 1
- Serial Settings
- Connection
- [Email](#)
- [Trigger 1](#)
- [Trigger 2](#)
- [Trigger 3](#)
- [Configurable Pins](#)
- [Apply Settings](#)
- [Apply Factory Defaults](#)

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	Flush Output Buffer
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



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

Connection Settings

- [Home](#)
- [Network](#)
- [Server](#)
- [Serial Tunnel](#)
- 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: <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)



The Old Wheelhouse, Hall Farm Yard,
Main Street, Kirklington,
Nottinghamshire, NG22 8NN

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