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# IP Twinax Controller

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## **I-O 5794ip**

# **Getting Started Guide**

# Introduction

The I-O 5794ip Twinax Controller connects up to fourteen IBM (and IBM compatible) twinax displays and printers to IBM AS/400, iSeries or eServer i5 midrange computer systems via Ethernet using industry standard TCP/IP and SNA protocols.

To further expand the capability of the twinax devices, the I-O 5794ip controller provides each twinax device with four sessions.

In addition, the I-O 5794ip controller will allow connection to up to four different IBM AS/400, iSeries or eServer i5 hosts.

## Installation and Configuration Overview

Knowledge of Windows, OS/400 or i5/OS and general networking are all that is required to setup the I-O 5794ip controller.

There are five phases involved in setting up the I-O 5794ip controller:

1. Connect the twinax devices to the I-O 5794ip controller.
2. Install the I-O Configuration Utility.
3. Determine which protocol to use for connection to each IBM host.
4. Configure the AS/400 – iSeries host.
5. Configure the I-O 5794ip controller.

Steps 1 and 2 are described in this guide. Steps 3, 4 and 5 are described in detail in the User's Guide that is accessed from the I-O Configuration Utility's Help Menu once the I-O Configuration Utility has been installed.

To assist in configuring the different protocols, a configuration worksheet is found on the last page of this guide. Use this worksheet to record the configuration values used to configure the IBM host and the I-O 5794ip Controller. The detailed instructions found in the User's Guide will guide you through the process of identifying these values.

After completing these steps, the I-O 5794ip Twinax Controller is operational.

## Operational Notes

- For each each display's twinax address four sessions will initially be created on the first host.
  - To toggle or switch to the next session, press ALT-HEX F7.
  - To toggle or switch to the previous session, press ALT-HEX-F6
  - To change a display session to another host, press System Request, then enter h1, h2, h3, or h4. (h1 is the first host setup in the I-O Configuration Utility, h2 is the second host, and so on.)
- For each printer, one session will be created on each host.

# Installation Process

## I. **Connect** the twinax devices to I-O 5794ip Twinax Controller.

1. Inspect the package for damage. The following will be included:
  - I-O 5794ip Twinax Controller logic unit
  - Dual-phase Twinax “V-Connector”
  - Power supply with wall cable (5 VDC, 2.5 Amp shield grounded)
  - I-O Configuration Utility CD
2. Connect each Twinax device to a Twinax cable (maximum of 7 devices).
3. Set the Twinax address on each device.
4. Connect Twinax lines to the V-Connector. (For V-Connectors with a long and short lead, the long lead is Line 1, and the short lead is Line 2.)
5. Connect the V Connector to the logic unit.
6. Connect the Ethernet cable.
7. Power up all twinax devices.
8. Connect the power supply to the logic unit and wall outlet.

## II. **Install** the I-O Configuration Utility.

1. Insert the I-O Configuration Utility CD in the CD-ROM drive of a Windows 95 or newer PC.
2. Click Start | Run, and enter “d:\configuration utility\setup.exe”, click OK.
3. Follow the on screen prompts.
4. Navigate to the I-O Configuration menu and start the I-O Configuration Utility.

## III. **Determine** Which Protocol to Use.

The I-O 5794ip controller provides support for three different protocols on the first IBM host – SNA, AnyNet and TN5250e. On the second, third and fourth hosts, only TN5250e is used. The protocol to use on the first host is determined by the following:

1. The type of printers that are to be attached.
  - If any printer is an IPDS printer, AnyNet, SNA, or PPR/PPD may be used.
  - If all printers are SCS only, then TN5250e, AnyNet or SNA may be used.
2. Whether the I-O 5794ip controller is located locally or remotely.
  - If the controller is located locally and there is not a router between the controller and the IBM host, then SNA, AnyNet, TN5250e or PPR/PPD may be used.
  - If the controller is located remotely, or there is a router between the controller and the IBM host, then only AnyNet, TN5250e or PPR/PPD may be used.

*Refer to the User’s Guide for more detailed information on selecting the protocol.*

## IV. **Configure** the AS/400 – iSeries host.

*Use the instructions for the desired protocol as detailed in the User’s Guide. **Hint:** Use the Configuration Worksheet on the last page of this guide to record the configuration values.*

## V. **Configure** the I-O 5794ip Twinax Controller.

*Follow the detailed instructions in the User’s Guide. Refer to the Configuration Worksheet.*

# Configuration Worksheet

## I-O 5794ip Twinax Controller TCP/IP Address

The controller's address is assigned:  Automatically by DHCP

Manually

TCP/IP Address: \_\_\_\_\_ . \_\_\_\_\_ . \_\_\_\_\_ . \_\_\_\_\_

Sub-Net Mask: \_\_\_\_\_ . \_\_\_\_\_ . \_\_\_\_\_ . \_\_\_\_\_

Default Router: \_\_\_\_\_ . \_\_\_\_\_ . \_\_\_\_\_ . \_\_\_\_\_

## TN5250e Configuration

The AS/400 – iSeries host's TCP/IP Address is: \_\_\_\_\_ . \_\_\_\_\_ . \_\_\_\_\_ . \_\_\_\_\_

The Default Telnet Name is: \_\_\_\_\_

## AnyNet Configuration

The AS/400 – iSeries host's TCP/IP Address is: \_\_\_\_\_ . \_\_\_\_\_ . \_\_\_\_\_ . \_\_\_\_\_

The AS/400 – iSeries host's Host Control Point Name is: \_\_\_\_\_

The AS/400 – iSeries host's Host Network ID is: \_\_\_\_\_

The Interface Control Point name for the 5794ip controller is: \_\_\_\_\_

The AnyNet Controller Name is: \_\_\_\_\_

The AnyNet Remote Control Point Name is: \_\_\_\_\_

## SNA Configuration

The AS/400 – iSeries host's Local Adapter Address is: \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_ : \_\_\_\_\_

The AS/400 – iSeries host's Host Control Point Name is: \_\_\_\_\_

The AS/400 – iSeries host's Host Network ID is: \_\_\_\_\_

The Interface Control Point name for the 5794ip controller is: \_\_\_\_\_

## PPR/PPD Configuration (for IPDS Printers)

Refer to the controller user's guide for setup instructions.