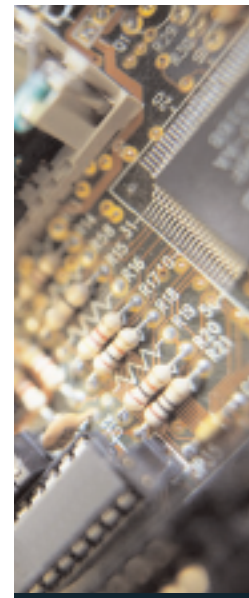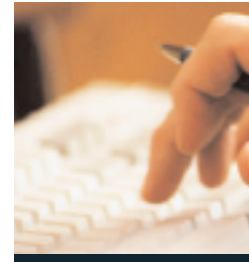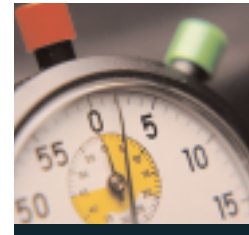# I-O 5430B/31B LAN Print Server

I-O BarCode Print Servers are single-port, multi-protocol print servers designed to provide support for specialty printers, such as bar code label printers. Available in either parallel or serial versions, I-O BarCode Print Servers combine the functionality of an Ethernet printer server with reliable, full-function AS/400 to LAN printing.

The I-O 5430B (for parallel printers) and the I-O 5431B (for serial printers) BarCode Print Servers attach one parallel or serial printer directly to a 10 or 100 Mbps Ethernet LAN. They support multiple protocols, including TCP/IP and NetBIOS, providing specialty printer connectivity to a variety of operating systems such as Windows NT/98/95; Netware 3.x, 4.x, 5.x; OS/2; Unix; and IBM's OS/400. Due to the I-O BarCode Print Server's support of proprietary label printer languages, a one-step configuration process makes set-up extremely easy.

A variety of AS/400 to LAN printing protocols are included, such as SNA (APPC) and AnyNet, as well as fully native TCP/IP printing using TN5250e. With any of these protocols, the I-O BarCode Print Server provides reliable, full-function AS/400 printing support and control equal to that of a direct twinax-attached 5250 printer. Using I-O's implementation of TN5250e, up to ten different AS/400 hosts can be supported.

As with all I-O Print Servers, the included enhanced features add value to any attached printer, whether it's a laser, dot matrix, or specialty printer.

IBM Features

Supported IBM Printer Emulations: 3812-1 (SCS), 4214, 5224/25/56

Supported Printer Drivers for EBCDIC-ASCII Conversion: HP PCL, IBM Proprinter, PPDS, Epson ESC/P2, FX, LQ, Generic, Sato, Zebra, Datamax, TEC, Intermec, Ring, Microcom, Novexx, Eltron, Genicom, Axiohm, Monarch

Supported Protocols for AS/400 Printing: TCP/IP (TN5250e, LPR/LPD), SNA (APPC), AnyNet (SNA over TCP/IP)

LAN (ASCII) Features

Supported Protocols for LAN (ASCII) Printing: TCP/IP (LPR/LPD), NetBIOS, I-O TCP/IP DirectPort™ Printing (Windows 95/98 Peer-to-Peer)

Supported LAN (ASCII) Hosts: Novell, Windows (95, 98, NT, Windows for Workgroups), OS/2 Warp, OS/2, UNIX
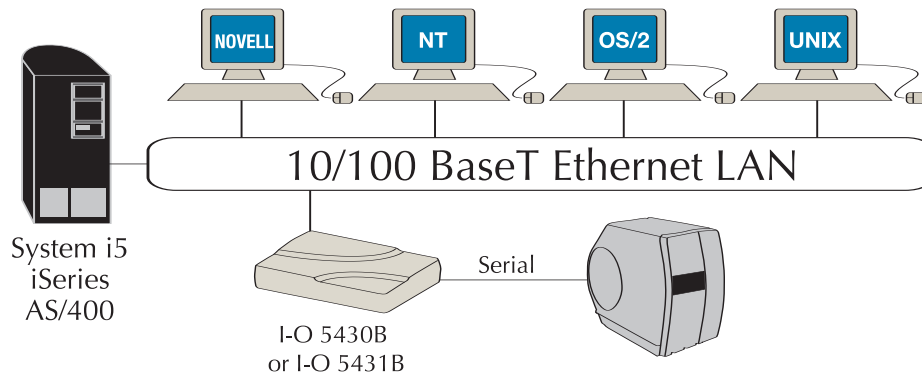
Flash Memory

SNMP Compliant

Supported Ethernet Frame Types: IEEE 802.2, 802.3, Ethernet II, SNAP

Supported Ethernet Connections:

10BaseT, 100BaseT (auto-sensing)

Printer Ports: I-O 5430B: 1 IEEE 1284 bi-directional Centronics port I-O 5431B: 1 RS232 serial port (male DB25)

100-240V (IEC) Auto Switching Power Supply Included

System i5 iSeries AS/400

NOVELL NT OS/2 UNIX

10/100 BaseT Ethernet LAN

Serial

I-O 5430B or I-O 5431B

Features & Benefits

■ **AS/400 Printing Over Ethernet:** Allows AS/400 print jobs to be seamlessly printed over a LAN.

■ **Enhanced Telnet 5250 (TN5250e):** Communicate with up to ten AS/400's using native TCP/IP.

■ **Printer Error Reporting to the AS/400:** Prevents loss of AS/400 print data by providing same level of print status reporting as a 5250 twinax printer.

■ **Page Range Printing from the AS/400:** Permits users to print select page ranges from large documents and reports.

■ **Auto Configuration (one step set-up):** Instals in minutes using native TCP/IP, avoiding complex software configurations.

■ **True IBM Printer Emulations:** Permits full-function AS/400 printing on the attached LAN printer.

■ **Off-Loading of Data Converstion:** Eliminates unnecessary AS/400 or PC overhead by converting EBCDIC data directly on the I-O 5430B/31B. Host print transform is no longer required.

■ **Simultaneous Multi-Host Printing:** Maximizes printer utilization by supporting concurrent printing not only from multiple AS/400's, but from Novell, Windows NT, Windows 95, OS/2, UNIX, etc.

■ **10BaseT and 100BaseT:** Protects print server investment when upgrading the LAN to 100 Mbps.

■ **Powerful RISC Processor:** Takes advantage of the LAN printer's maximum print speed even when processing AS/400 jobs.

■ **Unique support of proprietary bar code label printer languages:** Print self-tests, diagnostics, dumps, etc., directly to any attached label printer for convenient customization and trouble-shooting.