

# The most flexible solution for direct connection of industry standard laser and matrix printers to IBM systems

## Print Server



## LinkCom™ Xpress

- The ideal migration path for IBM printing in a LAN environment
- Converts both AFP/IPDS and SCS/DCA to PCL/Postscript
- LAN connection using the parallel port of the printer
- Connects 1 or 2 printers to the LAN environment
- Support for MFP (Multi Function Peripheral)
- Supports both SNA and TCP/IP sessions to the host
- TN5250e/TN3270e enabled
- Plug'n Print installation  
Supports IPP (Internet Printing Protocol)
- Printer management using MPI Tech PrintGuide™ or HP Web JetAdmin
- Flash upgradable

### MPI Tech

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LinkCom™ Xpress makes connection of Page- and Line printers to complex LAN environments easier than ever, as LinkCom™ Xpress simply is connected to the parallel port of the printer and to the LAN. By a simple configuration using a web browser, both the IBM systems and standard LAN/PC environment can make full use of all features on the printer, including MFP functionalities. You can even connect 2 printers to each LinkCom™ Xpress in order to save connectivity costs.

LinkCom™ Xpress is developed to work efficiently within the mixed Host/LAN environment and supports SNA sessions directly from the IBM systems as well as TCP/IP sessions from the LAN. The LinkCom™ Xpress will convert IBM SCS/DCA and IPDS to the industry standard PCL5 or Postscript language used by the majority of printers today. And even translation from SCS/DCA to Page- and Line printers is provided as a standard.

LinkCom™ Xpress offers easy Plug 'n Print installation for the AS/400 environment using the TN5250e. TN3270e allows mainframe users to migrate SCS/DCA data stream to LAN in an easy manner. For LAN administration and setup there are several tools available:

For fast and easy configuration LinkCom™ Xpress is delivered with MPI Tech's PrintGuide™. Also a standard web browser will access the internal html-pages of the LinkCom™ Xpress. Alternatively the Hewlett-Packard Web JetAdmin or a simple Telnet session can be used.

IPP (Internet Printing Protocol) support makes it easy to print across the Internet to any authorized printer connected to an IP network.

LinkCom™ Xpress also provides elegant features such as status reporting directly to the person responsible for the printer. Future enhancements for LinkCom™ Xpress are easily upgraded through downloads from the support pages on [www.mpitech.com](http://www.mpitech.com)

Printing and Conversion Solutions



## Attachment

### LinkCom™ Xpress TR

IBM Token Ring (IEEE 802.5) STP, (Media type 1/DB9) and UTP (Media type 3/RJ45) at 4/16 Mbps

### LinkCom™ Xpress 10/100

Ethernet 100BASE-TX at 100 Mbps, (IEEE 802.3u) and 10BASE-T at 10 Mbps (IEEE 802.3)

## System Support

Windows (XP, 2000, ME, NT, 9x), UNIX, Novell, Mac, 3.1x / 4.xx, 5.0, DOS, OS/2, HP-UX, AIX, IBM OS/400, OS/390, MVS, VM, VSE

### LAN/WAN Systems

Any attached Host with TCP/IP, LPR, Port 9100 or NetBIOS/NetBEUI, Any Novell server with IPX/SPX using bindery or NDS support. Any Mac with Appletalk.

### Mainframe Systems

IBM S/370, S/390 (MVS/VM/VSE), IBM AS/400 (with Option)

## IBM Printer Emulation

### Basic SCS via SNA (Standard)

IBM IP20/32/40, NP12/17/24, 3912/3916, 3112/3116, 4028 and 3812/3816, 4214, 3268, 3287

### Advanced SCS via 3270 SNA or TN3270E (Additional Feature (-x4x))

IBM IP20/32/40, NP12/17/24, 4312/4317/4324, 3912/3916, 3112/3116, 4028, 3812/3816, 4214, 3268, 3287

### Advanced SCS/DCA via AS/400 TCP/IP or TN5250E (Additional Feature (-x6x))

IBM IP20/32/40, NP12/17/24, 4312/4317/4324, 3912/3916, 3112/3116, 4028, 3812/3816, 5219, 5224/5225, 4214, 5256

### IPDS/AFP via TCP/IP and 3270 SNA (Additional Feature (-xx1))

3912/3916, 3112/3116, 4028, 3812/3816

## Protocols

Printing: TCP/IP, IPX/SPX, SNA, NetBIOS, Appletalk, NDPS via IP using HP gateway  
Booting: BOOTP, DHCP, RARP  
Configuration: HTTP, DLC, TCP/IP, FTP, WINS, DNS  
Status: SNMP, DLC, TCP/IP, PING, SMTP

## Print Data

Print-ready data from any system using: TCP/IP, LPD/LPR, IPP, FTP, Port 9100, Novell IPX/SPX, Windows/OS2 via NetBIOS/NetBEUI or Mac Appletalk. IBM S/390 SCS via SNA

Optional:  
IBM S/390 SCS via SNA or TN3270e (additional feature (-x4x))  
IBM AS/400 SCS/DCA via TCP/IP or TN5250e (additional feature (-x6x))  
IBM PSF/400 and PSF/2 via TCP/IP or SNA (additional feature (-xx1))  
IBM PSF/MVS, AFP/IPDS via TCP/IP or SNA (additional feature (-xx1))

## Supported Printers

Up to two PCL 5/5c/ and Postscript L2 printers with parallel Centronics I/F.  
Optional:  
IBM Pro printer, Epson FX/LQ compatible (additional feature (-x4x & -x6x))

## Features

### SNA/SCS features (Standard)

CPI, LPI and print APL quality selection, Paper tray selection, Automatic Page Orientation (APO), Computer Output Reduction (COR), EPM™ support, Query reply, All IBM RPQs, All IBM national languages, IBM Page Presentation Media command

### AFP print features (Standard)

Supported via MPI Tech mainframe software, Print via TCP/IP, PCL or PostScript output, Similar to IBM 240/300 dpi AFP printer

## Set-up

MPI Tech PrintGuide™ (Windows)  
Web browser (HTML),  
Auto-configuration  
DHCP server  
TELNET  
ASCII file  
FTP

## Management

Web-based using any web-browser, SNMP MIB II and Traps, MPI Tech PrintGuide™, HP Web JetAdmin, FTP

## Approvals

UL, cUL, CE

## Safety

Low Voltage Directive, 73/23/EEC, EN60950 with amendments, UL 1950, 3rd edition

## EMC

EMC Directive: 89/336/EEC,  
FCC Part 15 Subpart B Class B,  
AS/NZS 3548 Class B,  
EN 55022: 1998 Class B,  
EN61000-3-2,  
EN61000-3-3,  
EN 55024: 1998

## Warranty

3 years manufacturing fault warranty

## Size

Height: 235 mm  
Width: 165 mm  
Depth: 30 mm

Part Number	Product Name	Description
952151-xxx	LinkCom™ Xpress TR	External Token Ring PrintServer for 2 printers
962151-xxx	LinkCom™ Xpress 10	External Ethernet PrintServer for 2 printers
962451-xxx	LinkCom™ Xpress 10/100	External and Fast Ethernet PrintServer for 2 printers
Part Number	Additional Feature	Description
-1xx	International version	EU/International power supply
-2xx	UK version	UK Power supply
-3xx	US version	US Power supply
-5xx	AUS version	Australian Power supply
-x3x	Standard	Standard product with basic S/390 SCS
-x4x	+ S/390 SCS	Advanced mainframe SCS migration module (Featuring FSL)
-x6x	+ AS/400 SCS	Advanced AS/400 SCS/DCA migration module (Featuring FSL)
-xx0	Standard	No IPDS support (16 MB RAM)
-xx1	+ IPDS	IPDS module, 16 MB RAM
Part Number	Option	Description
999022-030	Parallel share cable	Cable for direct PC connection
999023-030	Parallel printer cable	Cable for second printer connection

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