

Mainframe, System i and office print on office printers and MFPs

Flexible host and office Printing with LinkCom 5

LinkCom 5 offers easy and smooth printing and print administration in mixed environments where users print both host data and office application output. LinkCom 5 solves the challenge of finding the printing solution that accommodates and combines both print streams in a user friendly way.

Print IPDS, SCS and DCA on laser and matrix printers

LinkCom 5 converts all output real time and the users need not worry about input sources or formats. All output is sent to the preferred printer.

LinkCom 5 is a versatile multifunction protocol converter that simultaneously supports IBM host printing and PC/LAN printing on laser printers/ MFPs and matrix printers.

The printer is connected to the LAN through the LinkCom 5 and can easily be configured to make full use of all features on any B/W or colour printer, including finishing options for all print jobs.

IBM host print data is translated in LinkCom 5 and converted into PCL, PostScript, ProPrinter or Epson and sent to the printer using TCP/IP or a USB connection.

Printing from office applications is directed transparently via LinkCom 5 and sent directly to the printer without modifications. Any MFP capability of the printer e.g. remote configuration, scanning or fax option remains fully operational.

Support up to 10 simultaneous printer sessions

LinkCom 5 can connect directly to one printer via the USB port or the PRT (ethernet) port. By enabling the Host to Net printing feature and activating a multi print session license a LinkCom 5 unit can administer up to 10 simultaneous print sessions.

It is possible to print one session via the USB port, one via the PRT (ethernet) port and up to 10 sessions through Host to Net connections. The maximum number of sessions is 10 regardless of the connection types.

The user scenarios

The LinkCom 5 is ideal for:

- ✓ Host print environments wanting to print on PCL/PostScript printers
- ✓ Mixed environments with host print and office print with a requirement to print all documents on the same printers

Key features

- ✓ High speed conversion and output
- ✓ Printing in mixed environments with host printing and office printing
- ✓ Supports up to 10 simultaneous print sessions
- ✓ IBM host printing to any laser printer, MFP or matrix printer
- ✓ Full IPDS support including colour printing
- ✓ Converts IPDS, SCS and DCA to PCL, PostScript, ProPrinter or Epson
- ✓ Supports output to network via TCP/IP or hostname
- ✓ Supports TCP/IP sessions from the mainframe or System i
- ✓ Supports IPV4 and IPV6
- ✓ TN5250e/TN3270e enabled
- ✓ Connect printer via USB or network port
- ✓ Gigabit network support
- ✓ Configuration using MPI Tech PrintGuide, web browser or OTG Gadget port

Single session setup

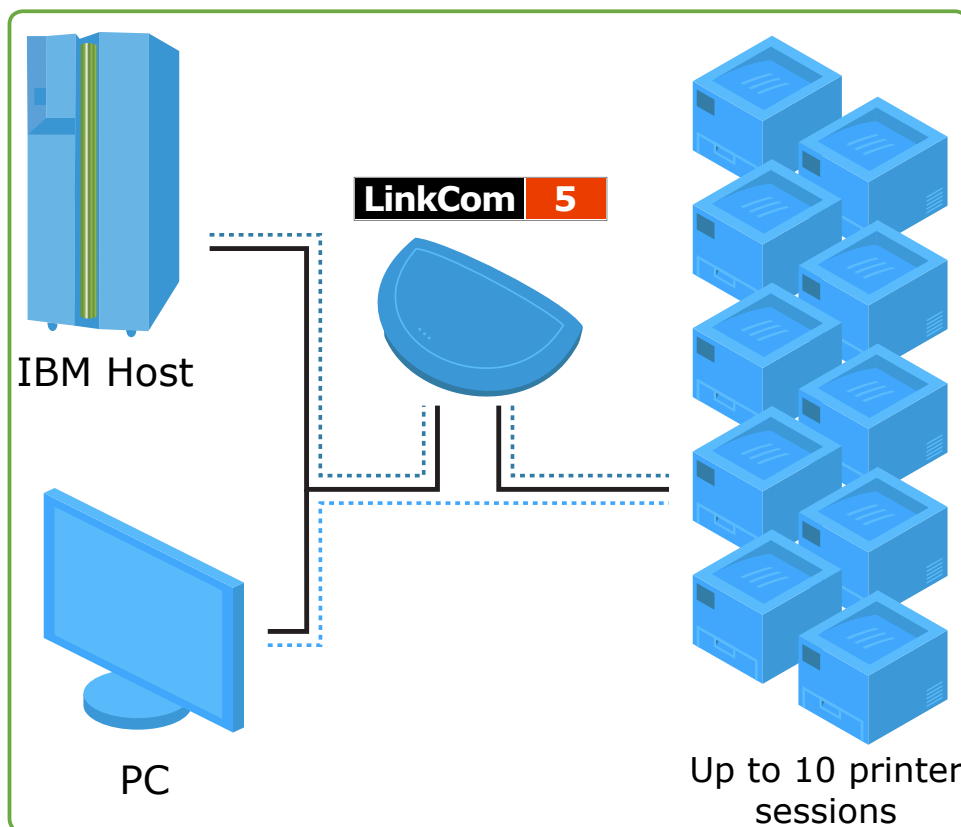
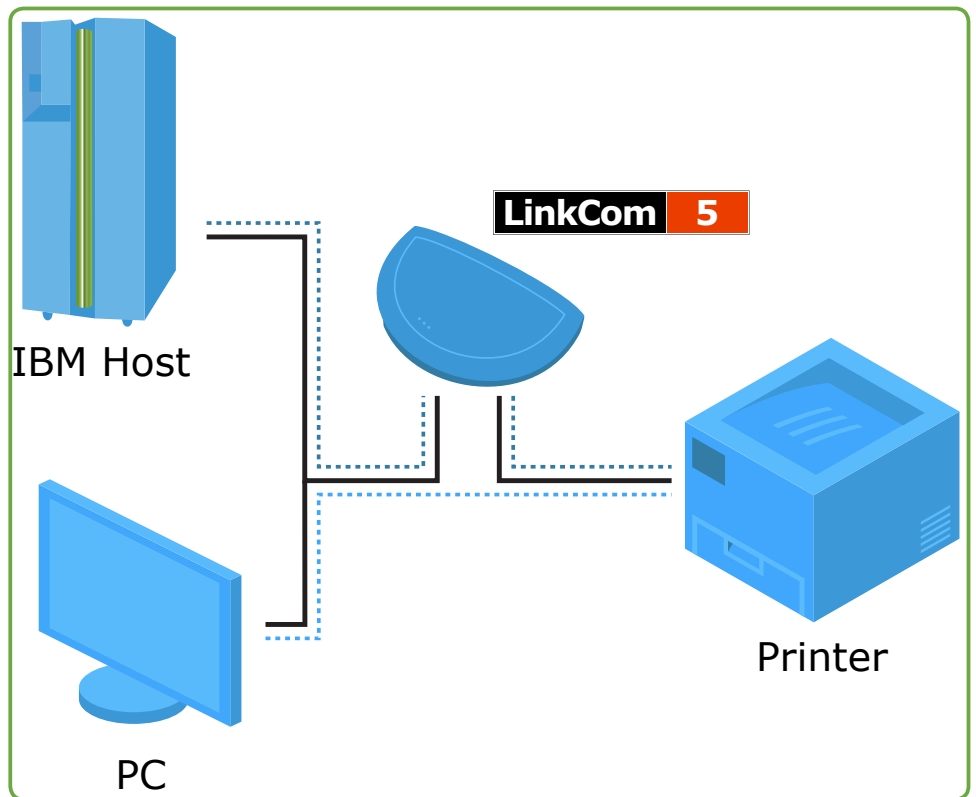
The basic LinkCom 5 handles one printer session and converts IPDS or SCS/DCA to PCL, PostScript or Matrix.

Output is sent to the printer via the built-in USB or ethernet output port or over the network via host to net printing.

The standard edition allows black and white printing of up to 55 ppm.

Full colour support or higher printing speed can be enabled through add on licenses.

Standard office output formats are transferred transparently through LinkCom 5 to the printer.



Multi session setup

Enhance the basic LinkCom 5 with simultaneous output sessions. Multiple sessions are added through enhanced licenses that enable up to 10 transforms and output streams (IPDS or SCS/DCA).

Output is sent to the printers via the built-in USB (1 session) or ethernet output port (1 session) or over the network via host to net printing (up to 10 sessions).

Multi session licenses cannot be combined with full colour support or higher printing speed add on licenses.

Standard office output formats are transferred transparently through LinkCom 5 to the printers.

Product versions and add ons

Please notice: actual printing speed and data transfer speed between host and LinkCom unit may vary depending on job complexity, the local network and printer output speeds.

Basic version, Ethernet:

Single session, input via Ethernet, output via USB/Ethernet, output formats: PostScript, PCL or Matrix.

LinkCom 5	Transparent print	no limit ppm	B/W
LinkCom 5	SCS/DCA	max 55 ppm	B/W
LinkCom 5	IPDS	max 55 ppm	B/W
LinkCom 5	IPDS + SCS/DCA	max 55 ppm	B/W

Can be combined with either high speed options OR Full Colour options OR multi session options.

Add on options

High speed options (not available in combination with multi session options)

LinkCom 5	IPDS + SCS/DCA	max 85 ppm	B/W
LinkCom 5	IPDS + SCS/DCA	max 105 ppm	B/W
LinkCom 5	IPDS + SCS/DCA	over 105 ppm	B/W

Full Colour options (not available in combination with multi session options)

LinkCom 5	IPDS	max 45 ppm	Full Colour
LinkCom 5	IPDS	over 45 ppm	Full Colour

Multi session options (not available in combination with high speed options)

2 sessions	IPDS	max 55 ppm	B/W
3 sessions	IPDS	max 55 ppm	B/W
4 sessions	IPDS	max 55 ppm	B/W
5 sessions	IPDS	max 55 ppm	B/W
6 sessions	IPDS	max 55 ppm	B/W
7 sessions	IPDS	max 55 ppm	B/W
8 sessions	IPDS	max 55 ppm	B/W
9 sessions	IPDS	max 55 ppm	B/W
10 sessions	IPDS	max 55 ppm	B/W
2 sessions	SCS/DCA	max 55 ppm	B/W
3 sessions	SCS/DCA	max 55 ppm	B/W
4 sessions	SCS/DCA	max 55 ppm	B/W
5 sessions	SCS/DCA	max 55 ppm	B/W
6 sessions	SCS/DCA	max 55 ppm	B/W
7 sessions	SCS/DCA	max 55 ppm	B/W
8 sessions	SCS/DCA	max 55 ppm	B/W
9 sessions	SCS/DCA	max 55 ppm	B/W
10 sessions	SCS/DCA	max 55 ppm	B/W

Plug 'n' Play

LinkCom 5 offers Plug 'n' Print installation for the System i environment using TN5250e. TN3270e allows mainframe users to migrate SCS data stream to LAN in an easy manner.

LinkCom 5 also provides elegant features such as status reporting directly to the person responsible for the printer.

Network Attachment

Ethernet

- 1000BASE-T at 1 Gbps

System Support

Protocols

- TCP/IP via PPD/PPR (IPDS)
- TNx (SCS/DCA)
- TCP/IP Port 9100 (office print)

Other protocols including HP proprietary protocols for printer setup and mfp functionality (Transparent via switch)

IBM Host system support

- IBM System z, S/370, S/390 (MVS/VM/VSE)
- IBM System i

System Requirements (IPDS)

- PSF/MVS, PSF/VM, PSF/VSE, PSF/400
- InfoPrint Manager for Windows or AIX

Ask for other standards

Emulation

IPDS via PPD/PPR

IBM IP40 (Default emulation), 4028 (3916/3912, 3116/3112), 3812, 3816, 4247

SCS via TN3270

3287, 3268, 4214-1

DCA via TN5250

5219/3812

Connections

2-port Ethernet switch:

- Port 1: Network connection
- Port 2: Output for printer NIC
- USB port
- OTG port used for direct configuration without a network connection

Printers Supported

- PCL 5e/5c/
- PostScript L2/L3 compatible
- Epson FX/LQ
- ProPrinter XL24

Features

Multi session/multi protocol support.
Pre, post and replacement string facility
Firmware upgrade via PrintGuide™
Password protected setup.

IPDS features

Full IPDS support, Up to 55ppm (High Speed options available). Full colour printing incl FS45, JPEG, TIFF and Object Container support. 2D barcode printing, True-page counters, Double byte font (DBCS) support, Page offset functions. IBM IP40, 4028 & IBM 3812/3816 resident font sets. Downloadable IPDS font set. Outline font support, 240, 300 and 600 dpi support.

SCS/DCA features

MPI Tech FSL facility, Advanced font handling, Multiple page formats, Automatic page orientation, Advanced paper size handling, Internal barcode generation.

AFP features

MPI Tech PSS/EPM AFP software support

Set-up

- MPI Tech PrintGuide™ (Windows)
- Web browser
- OTG Gadget port
- Auto-configuration
- DHCP server
- Automatic detection of printer IP address

Regulatory information

Safety

Humidity: 10% to 95% RH, non-condensing.

Temperature range: -10 to +40

Environmental

- RoHS compliant
- EMC compliant
- UL approved
- CE approved

Warranty

- 3 months software warranty
 - 1 year manufacturing fault warranty
- Optional software support subscription

Size / Weight

116 x 74 x 25mm / 4.6 x 2.9 x 1"

Weight: 75g / 2.6oz / 0.2lb

Power Requirements

5 VDC @ 1000mA (Power supply incl.)

In case the USB port is used to connect anything else than a printer the power consumption of the connected device may not exceed 100mA.

External power supply included (EU/International, US, UK and Australian versions are available).

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D16132-003 December 2016

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