



PRINTING TECHNOLOGIES
ENGINEERED IN GERMANY

Your Microplex Partner:

EMEA
APAC

MICROPLEX PRINTWARE AG
Panzerstraße 5, 26316 Varel
Phone: +49 4451 91370
E-Mail: sales@microplex.de
www.microplex.de

AMER
Canada

MICROPLEX PRINTWARE CORPORATION
30300 Solon Industrial Pkwy Suite E, Solon, OH 44139
Phone: +1 440-374-2424
E-Mail: info@microplex-usa.com
www.microplex-usa.com

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IPDS- Emulation

HIGH PERFORMANCE
AND IMPRESSIVE
COST EFFECTIVENESS -
DIRECT PRINTING
OF **IPDS** DATA

FIELD OF APPLICATION

- Direct IPDS printing from IBM® host or AS/400
- Large print jobs on consecutive pages
- Print without additional hardware
- Upgrade from dot matrix printers to laser printers

HIGHLIGHTS / FEATURES / SPECIAL ATTRIBUTES

- IPDS emulation directly in the printer (embedded)
- No special converter software necessary
- Individual adaptation to your application
- Accurate feedback - safe print
- Direct connection to e.g. InfoPrint® Manager
- Direct connection to many IBM® applications
- Cost-effective and future-proof with firmware updates

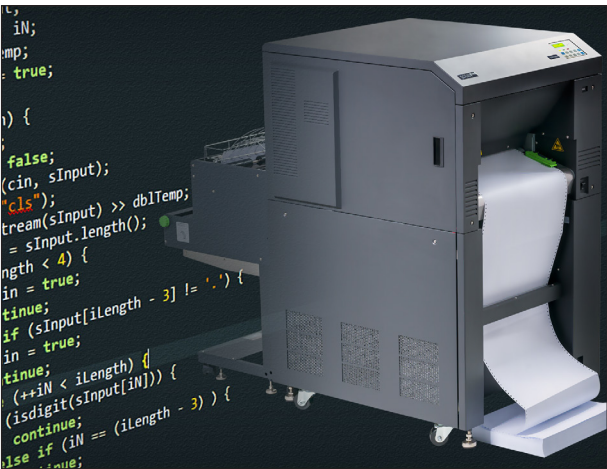
HIGH PERFORMANCE AND IMPRESSIVE COST EFFECTIVENESS - DIRECT PRINTING OF IPDS DATA



Complete IPDS Printer Range

Microplex offers a complete range of printers with integrated IPDS functionality across all technologies. Thus, all conceivable printing tasks can be printed directly from an IBM host, an AS/400 or an AFP software solution. There is no need for a separate IPDS box. The interaction between IPDS emulation, host and printer is thus very direct, bidirectional communication is fully supported. The page acknowledgements are made in a timely manner as soon as one page has been output from the printing unit, thus guaranteeing a page-accurate restart of a print job. Immediate IPDS printing is easily possible on systems using thermal print technology, laser print technology, single-sheet feeding and continuous paper feeding.

Microplex printing solutions based on the Microplex MPC multi-intelligence controller offer many advantages for seamless integration with existing line printer applications.



More than 30 Years Experience in Developing IPDS Firmware

The Microplex printers print complex and variable data that contains many barcodes, always at maximum speed, even under IPDS. Unlike external IPDS box solutions, the Microplex IPDS emulation is integrated directly into the firmware of the printer controller. For more than 30 years, Microplex has been developing printer controllers and related firmware. By directly coupling IPDS and the print engine, printer statuses and printed pages can be reported back to the sending host without resorting to a cumbersome and error-prone communication protocol. In addition to being used as an IPDS printer, a Microplex printer understands more than 40 emulations, such as: HP PCL5, IGP, Kyocera Prescribe, IBM Proprinter and many more. This makes a Microplex printer versatile.

- Maximum speed with complex data (eg 2D barcode)
- Directly integrated IPDS emulation
- Flexible use by numerous other printer languages
- High profitability

Save Money with a Microplex Printer

When printing your application on the appropriate printing system (thermal, continuous or cut-sheet laser printers) always use the most cost-effective materials and get the most out of your printer and consumables. For example, thermal printer labels are printed on inexpensive direct thermal material and not on expensive, heat-resistant laser printer labels.

Thermal and Laser Printers with IPDS

Whether shipping label, storage voucher, product label, price label on self-adhesive label material or delivery notes and invoices on cut sheet material, Microplex offers the right IPDS printer for this.

From the compact 4 inch thermal printer to the 120 A4 pages / minute single-sheet production printer, Microplex always offers the right printing solution for your application - perfectly fitting, always with reserves, never oversized.

Continuous Printer Models of 40 ppm (2000 lpm) up to 140 ppm (5000 lpm)

Economical to buy, inexpensive to operate: e.g. the SOLID F40 is the most economical printer in its class. As an continuous laser printer for medium pressure volumes, it offers a very wide range of applications. The powerful Microplex controller guarantees port variability, easy system integration and high print performance under IPDS. The cold fixation via xenon flashlamps (flash fusing) allows the processing of thermally sensitive media such as plastic or PVC. Even on stronger material fixation is easy.

Existing IPDS continuous solutions can be continued with compatible modern Microplex printers. It eliminates any costly adjustments to the system environment. Various line printer emulations are supported.

- **SOLID F40:** 40 ppm (2000 lpm), 16 inch width, 14.6 inch printable
- **SOLID 60E-2:** 60 ppm (3000 lpm), 16 inch width, 14.6 inch printable
- **SOLID 85E:** 85 ppm (3000 lpm), 18 inch width, 17 inch printable
- **SOLID F140:** 140 ppm (5000 lpm), 18 inch width, 17 inch printable

Configuration Options

Depending on the software environment, there are different ways to integrate a Microplex printer with IPDS emulation. The easiest way is via the selection of so-called profiles. The following overview contains the configuration of the suitable device types for our printers when using the InfoPrint® Manager.

Nr.	Device	Type	Microplex
4400	Thermal Labelprinter		SOLID Tx, logiJET Tx
4545	InfoPrint 1145	Cut Sheet A4/A3	SOLID 50A3-3, 105A3-2, 120A3-2
4540	InfoPrint 1140	Cut Sheet A4	SOLID 52A4

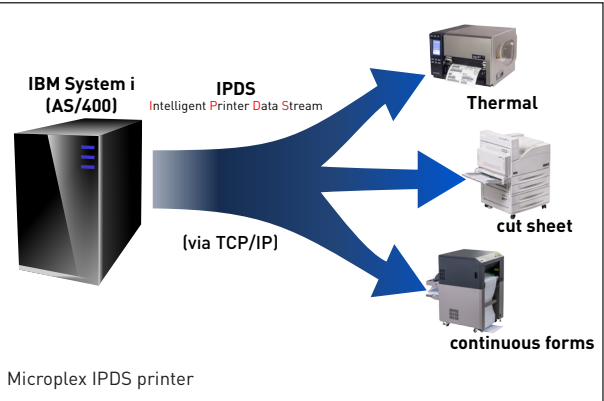
If no suitable profile is available, a selection can also be made via SNMP, for example. This currently applies to the SOLID F40, SOLID 60E-2, SOLID 85E and SOLID F140 continuous feed printers.

Flexibility also with AFP Printing Solutions

Numerous emulations make the Microplex printers flexible. Direct connection to IPDS print pools, interaction with external spool systems, such as the Océ AFP Production Host under IPDS or other emulations such as PCL5 leave little to be desired. A multitude of printers installed worldwide in a variety of hardware environments such as IBM AS/400 (System i), System z, InfoPrint Manager, PRISMA production host and other AFP software solutions impressively demonstrate the flexibility of the Microplex IPDS printers.

Individual Firmware Adaptation

- If a “standard” Microplex printer does not meet the needed requirements to fit into one specific application or should there be any special requests, we are always able to customize our firmware and make the printer work within the application.
- IPDS adjustments to the respective system environment
 - Adaptation of emulations for 100% compatibility with the application
 - Realization and integration of new barcode technologies



Microplex products for use in IPDS printing environments.