



PRINTING TECHNOLOGIES
ENGINEERED IN GERMANY



IPDS- Emulation

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

Ihr 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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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. Info Print 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 emulation 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 30 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 emulations
- High profitability

Save money with a Microplex printer

The use of a Microplex printer saves money.

- 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.

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 a 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

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.

Flexibility also with AFP printing solutions

Numerous emulations make the Microplex printers flexible.

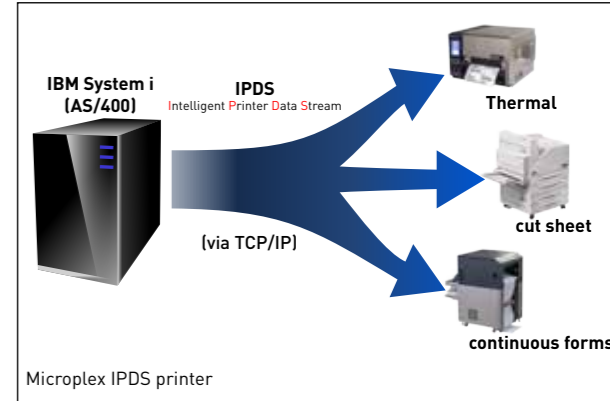
Direct connection to IPDS print pools, interaction with external spool systems, such as the Océ AFP Production Host under IPDS or other emulations such as PCL5 leave little to be desired.

A multitude of printers installed worldwide in a variety of hardware environments such as IBM AS/400 (System i), System z, Info Print Manager, PRISMA production host and other AFP software solutions impressively demonstrate the flexibility of the Microplex IPDS printers.

Individual firmware adaptation

It might be possible that the Microplex printer "as is" does not fit your system requirements 100%. Since Microplex has all development resources in-house, hardware and software, we can define a suitable modification in order to match the requirements.

- 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.

