microplex

PRINTING TECHNOLOGIES
ENGINEERED IN GERMANY

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SUPERIOR PERFORMANCE AND EASY INTEGRATION

DISTRIBUTION CENTER
PRINTING SOLUTIONS



MAXIMUM **FLEXIBILITY** FOR MISSION CRITICAL LOGISTICS **PROCESSES**

FIELD OF APPLICATION

- Just-in-time printing of labels, delivery notes, invoices, reports, ...
- High volume printing on many different materials
- Plug-and-print integration
- Handling of legacy print data and configuration

HIGHLIGHTS / FEATURES / SPECIAL ATTRIBUTES

- Compatible with: IGP, CODE-V, PDF®, PCL5, IPDS, ZPL II, etc.
- More than 40 printer languages (emulations)
- Hardware handshake via GPIO interface
- Cost- and time efficient printing

MAXIMUM FLEXIBILITY
FOR MISSION CRITICAL LOGISTICS **PROCESSES**





Distribution Center Applications

In times of globalisation, distribution centers now play a major role in the central processing of incoming and outgoing goods.
Distribution centers supply, for example, both end consumers with their ordered goods and retailers who want to restock goods and products in their individual shops.

The operation of a distribution center/fulfilment center is therefore a just-in-time challenge. On-site printing of documents such as pick lists, delivery notes, invoices, reports and shipping labels is business critical.

Microplex printers are installed in a wide variety of applications in distribution and fulfilment centers, including DIY stores and various wholesalers & retailers that ship and process food, clothing or other goods.

A key feature of Microplex printers is our ability to integrate into the existing environment without changing the process or data. At the same time, Microplex offers better print quality and lower operating costs.

- Printing reports on continuous paper
- Batch printing of picking documents
- Delivery notes just-in-time on cut sheet media
- Shipping labels on mobile thermal printers
- GPIO hardware handshake for controlling the workflow

Continuous Forms

- Print speed from 40 ppm up to 140 ppm
- Print width up to 18 inch
- Integrated stacker
- Laser print quality at 600 dpi
- More than 40 emulations
- Optional GPIO interface

Thermal Transfer
Direct Thermal

- Print speed up to 16 inch/s
- Print width up to 8 inch
- Optional GPIO interface
- More than 40 emulations

Cut Sheet

- Print speed up to 120 ppm
- Paper size up to A3 / ledger
- Optional GPIO interface
- More than 40 emulations

Mobile Thermal

- 100 - 240 V AC **and/or** 12V, 24V, 36V, 48V DC
- More than 40 emulations
- Optional mounting plate
- Optional GPIO interface
- Status-Out feedback
- WiFi, RS232, RS422, IEEE 1284 (Centronics)



Continuous forms printer - i.e. SOLID F40



Thermal printer - i.e. logiJET TT8



Cut sheet printer - i.e. SOLID 52A4



Mobile thermal printer - i.e. logiJET TM8

Application Examples

- Replacing old IBM® InfoPrint printers with modern print technology from Microplex. Plug-and-print without changing the application data for printing shelf price labels, order picking labels and retail labels.
- Plug-and-print replacement of outdated line matrix printers to improve print quality, speed and lower the noise level for printing freezer labels, outdoor retail labels and case labels using existing print data like CODE-V or IGP.
- Integration of cut sheet printers with a fast first page via GPIO control into automated commissioning lines to improve the quality of the output and increase the security level of the workflow.
- Printing green bar reports on continuous paper according to audit requirements so no alterations or changes can be made.
- Replacement of thermal printers to continuous laser printers using the existing thermal language, eg. IGP for printing shelf price labels, order lists or case labels.
- Printing grocery store labels out of a SAP® environment without changing the application as printers can be easily integrated plug-and-print.

Plug-and-Print Configuration Options

Microplex printers with their Multi Intelligence Controller have a wide range of configuration options and can thus be individually adapted to the respective application. In addition to the software feedback via SNMP and Status-Out, the Microplex printers can be very conveniently integrated into a WiFi and administered.
Another configuration option is the use of an optional signal system to visualise the current print status. In this way, possible operating faults can be detected immediately and remedied as quickly as possible.

- Monitor printer status and print status via SNMP and Status-Out
- Individual feedback via the data channel (status-out)
- User-friendly configuration via web panel (website)
- Modern WiFi interface with all current protocols, security standards and authentication standards (IEEE 802.1X)
- Optional signal system for visualising the current printing process (“online/ready to print”, “busy/in the printing process” and “offline/error”)

Emulations

With more than 40 emulations (including line matrix printer emulations) on board like IGP/VGL, Epson ESC/P, Ansi Genicom, CODE-V, MT-600, IBM Proprinter PCL5, PDF and IPDS it is easy to replace existing (line) printer “plug-and-print”.
For further technical information, please refer to the respective product data sheet.

Individual Firmware Adaptation

Our in-house product development and our product support with short communication channels guarantee individual and customised adaptation to the requirements of the application in cooperation with our customers.

- Adaptations to the respective system environment
- Adaptation of emulations for 100% compatibility with the application
- Hardware modifications of the printer









Microplex printers integrate seamlessly into existing applications and increase the efficiency of your workflow.