microplex

SUPERIOR PERFORMANCE AND EXCELLENCE

PRINTING TECHNOLOGIES
ENGINEERED IN GERMANY

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Thermal Printer Family

MAXIMUM FLEXIBILITY FOR SMOOTH PRODUCTION WITH THERMAL PRINT TECHNOLOGY

FIELD OF APPLICATION

- Mobile applications
- Heavy duty printing applications
- Two-color applications
- UHF RFID option available

HIGHLIGHTS / FEATURES / SPECIAL ATTRIBUTES

- Mobile use with 12 V, 24 V, 36 V or 48 V DC
- Compatible with: PCL5, PDF®, IPDS, ZPL II and many more
- Format widths from 4 inches to 8 inches
- Fast, robust and reliable
- Compact design, optional mounting plate (logiJET TM4, TM8)
- Robust metal case

MAXIMUM FLEXIBILITY FOR SMOOTH **PRODUCTION** WITH **THERMAL PRINT** TECHNOLOGY

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The Perfect Fit for any Application

Within the **Microplex Thermal Printer Family** you will find the best printer solution in terms of print width, speed, material handling and size for any application scenario.

Heavy-Duty Thermal Printer for the Toughest Continuous Loads


SOLID T4-2


SOLID T6


SOLID T8

- SOLID thermal printer for toughest demands in production 24/7
- Print speed up to 406 mm/s
- Material width from 1 inch up to 10 inch
- High resolution printout with 300 dpi

Robust Industrial Printers for Production and Logistics


logiJET T4-2


logiJET T4-HS


logiJET T6-2

- Robust metal case, easy handling, versatile and reliable
- 300 dpi print resolution
- Up to 300 mm/s print speed
- „Just-in-Time" printing for production and logistics


logiJET T8-3


logiJET TT8

Printer Languages (Emulations) and Barcodes

Thermal Printer Emulations, i.e.
ZPL II, EPL2, IGP/PGL, Datamax, TEC, IER-Command, Intermec Direct Protocol, LDC, LabelPoint, Etimark MP-1220, cab

Laser Printer Emulations, i.e.
PCL5, IGP/PGL, XES, Kyocera Prescribe, Kodescript+, AGFA Reno, LN03+, BULL-MP6090

Matrix Printer Emulations, i.e.
IGP/VGL, IGP/PGL, Epson FX-80, Ansi Genicom, CODE-V, MT-600, IBM Proprinter, IPDS

Further Emulations
PDF, CUPS-Raster, HPGL, TIFF, Diablo 630, Lineprinter

Two-Width Codes
Codabar, Code39, MSI, Interleaved 2/5, Interleaved 2/5 (3-Stroke Datalogic), Interleaved 2/5 (3-Stroke Matrix)

Multiple-Width Codes
EAN-8, EAN-13, EAN-128, Add-on-Codes, Code 11, Code93, Code 128, UPC-A, UPC-E

Height-Modulated Codes
Postnet, Planet, KIX, Royalbar, USPS One Code

2D-Barcodes
Aztec-Code, PDF 417, Datamatrix, Maxi-Code, USD-5, QR-Code

Option RFID

Frequency Range	865.600-867.600 (ETSI EN 302 208)
RF Power	programmable in 15 levels (1dB step) from 9dBm to 23dBm (from 8mW to 200mW) conducted
Standard Protocols	EPC C1 G2 / ISO18000-6C
Features	read/write/verify (void)
Registration of Antenna Position	manual, automatic (depending on antenna design)

Mobile Thermal Printer


logiJET TM4


logiJET TM8

2-Color-Thermal


logiJET TC8

- Mobile and network-independent thermal printing
- Material width from 1 inch up to 8.7 inch
- 2-color thermal transfer printing
- BS5609 compatible

Print Module


PM-T8

Tractor-Thermal


SOLID 45ET-2

RFID


logiJET T4-2

- The PM-T8 can be flexibly used as a print module in plant construction.
- The SOLID 45ET-2 can be equipped with two different paper sizes.
- RFID option is available for logiJET T4-2, logiJET T6-2, logiJET TT8, logiJET TM8, PM-T8.

Automatic Scaling of Print Resolution

Microplex thermal printers with a standard print resolution of 300 dpi have configurable, automatic scaling of the print data. In many cases, print data from existing systems is scaled to a printer resolution of 200 dpi for standard thermal printers. To ensure that these are printed correctly on Microplex printers, the Microplex printers have this functionality on board.

Here, the 200 dpi print data is prepared in such a way that it is correctly output on 300 dpi printers. This means that the graphics and fonts are calculated accordingly, and the barcodes are converted to the 300 dpi resolution in the correct ratio.

This is all done in the printer on the Microplex controller. Existing 200 dpi printing applications can therefore be printed on a modern 300 dpi Microplex thermal printer without adaptation.

Multiple Configurations are Possible

Microplex printer with its Multi Intelligence Controller provides multiple configuration possibilities. Via configuration the printers can be adjusted to nearly any application requirement. More than **40 printer emulations** can be selected. Every emulation can be fine tuned. Beside software signals via **SNMP** and **Status-Out** also electrical signals can be used to control the printer and therefore establish a real handshake between printer and system.

- Monitoring and control of the print out via electrical signals with 8 input and 8 output channels (**GPIO / SPS-Control**)
- Monitoring the printer status via **SNMP** (fleet management)
- User friendly configuration via **web panel**
- Modern WIFI interface with all current protocols, security standards and authentication standards **(IEEE 802.1X)**

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.

- Individual electrical signals (GPIO / SPS-Control)
- Hardware modifications of the printers
- Emulation adaptations to fully support the print data
- Adaptation of status messages (Status-Out)