



**MAXIMUM
FLEXIBILITY
FOR SMOOTH
PRODUCTION AND
LOGISTICS PROCESSES**

8-Inch Thermal Printer for the Toughest Industrial Applications

HIGHLIGHTS / FEATURES / SPECIAL ATTRIBUTES

- Easy handling
- 1D and 2D barcodes
- Ethernet (10/100 MBit), WLAN optional
- GPIO / SPS control optional
- IDOL Windows driver included
- Thermal, laser and matrix emulations inkl. PCL5

FIELDS OF APPLICATION

- Stickers, labels and tags up to A4 size
- Toughest production and logistics deployment
- Just-in-time printing or batch processing
- Logistics, commissioning, production, shipping, etc.



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Print Engine

Print technology	Thermal transfer- /direct thermal harmonic (history controlled flat head technology)
Controller	MPC 8.x
Print speed	up to 150 mm/s up to 6 inch/s
Print resolution	300 dpi x 300 dpi
Lifetime print head	up to 30.000 m
Power supply	100 - 240 VAC, 50/60 Hz
Power consumption	3,0 A
Dimensions (WxDxH in mm)	440 x 504 x 336 mm
Weight	24 kg (without options)
Environment temperature	5 - 40°C
Relative humidity	20 - 85 % (rel., non-condensing)
Interfaces	USB 2.0 Ethernet-Interface 10/100 MBit, bi-directional (TCP/IP)
Options*	IEEE 1284 (Centronics) RS232, RS422 WIFI: IEEE 802.11 n/g/b, WEP with 64 and 128 Bit, WPA/WPA2, WPA-PSK/WPA2-PSK
Memory	RAM: 256 MB Flash: 256 MB

MPC 8.x High-End Print-Controller

Emulations

MICROPLEX IDOL, AGFA Reno, LN03+, BULL-MP6090, IGP/PGL, Datamax, Etimark MP-1220, TEC Bx72, TEC B6xx, LDC, ZPL II, EPL2, Intermec Direct Protocol, IER Command, cab, Godex EZPL, Diablo 630, IBM Proprinter, Epson FX-80 (ESC/P), MT-600/MT40, IDS, ANSI Genicom, TIFF, HP Designjet, XML (SAP® RFID), CUPS Raster

Optional Emulations

HP-PCL5/ HPGL, µ-Postscript, CODE-V (Magnum), XEROX XES, KODESCRIPT+, Prescribe/PSB 2, Labelpoint, IPDS, AEA, PDF Direct Printing** (more emulations on request)

Barcodes

Codebar, Code39, MSI, PDF417, Interleaved 2/5, Interleaved 2/5 (3-Stroke Datalogic), Interleaved 2/5 (3-Stroke Matrix), EAN-8, 13, 128, Add-On-Codes, Code11, Code93, Code 128, UPC-A, UPC-E

Optional Barcodes (Barcode2)

Datamatrix, Maxi-Code, QR Code, Aztec-Code, USD-5 (more emulations on request)

Additional functions

Network capabilities	authentication standard IEEE 802.1X
Intelligent barcode generation	on-the-fly in the printer
Format splitting	in several subformats by command

Optional functions

Integrated form management (RFM)

Forms and fonts can be stored in the flash memory and can be accessed when needed.

Status-Out

Gives notice of each correctly printed page via interface. Further features can be found in the manual.

Programmable GPIO-Interface (SPS-Control)

EMBEDDED INTELLIGENCE – Enabling two-way communication between printer and a PLC.

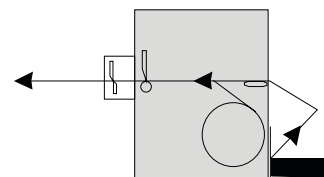
Integration of the printer into production lines is possible, controlled by GPIO-interface.

Customer and application specific modifications possible.



Printable Media

Size	
Width	101,6 - 241,3 mm (4" - 9.5") (225 mm with Cutter) printable width 219,5 mm (8,64")
Roll diameter	max. 208 mm (8,2")
Core diameter	3 inch (76,2 mm)
Paper thickness	0,06 mm - 0,25 mm
Thermal transfer ribbon	roll diameter max. 90 mm
Core diameter	1 inch (25.4 mm)
Ribbon length	max. 600 m
Coated side	outside
Ribbon width	110 mm - 254 mm (4,3" - 10")



Paper Path

Input

Continuous
internal: from Roll with 3" core
external: eg.fanfold
sensor for black mark and label gap
(reflection and transmissive)

Output

Single / Job tear-off

Optional

Cutter 0,06-0,19 mm - 500.000 cuts
0,20-0,25 mm - 200.000 cuts

Heavy Duty Cutter

paper thickness: max 0,25 mm
paper weight <200g/m² - 1.000.000 cuts
paper weight <300g/m² - 500.000 cuts

* Not all interface options can be activated at the same time.
** Only available from MPC 3.4, MPC 3.6, MPC 7.x and MPC 8.x

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