microplex

SOLID T4-2

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

4-Inch Thermal Printer for the Toughest Continuous use

HIGHLIGHTS / FEATURES / SPECIAL ATTRIBUTES

- Optionally available in 5-inch width
- USB, Ethernet (10/100 Mbit) as standard
- Laser printer compatible
- SAP® and AS/400 compatible (through PCL5 + JetCAPS as well as LAN-IPDS)
- Very high printing speed
- Robust metal case
- Ribbon Safe Modus

FIELD OF APPLICATION

- Stickers, labels and tags up to DIN A4
- Roughest production and logistics operations
- Fast just-in-time printing or batch processing
- Toughest continuous use

Print Engine

Print technology	Thermal transfer/direct thermal harmonic (history-controlled near-edge print head)
Controller	MPC 8.x
Print speed	up to 406 mm/s
	up to 16 inch/s
Print resolution	300 dpi x 300 dpi
Lifetime print head	Transfer: up to 50.000 m,
	Direct: up to 25.000m
Power supply	110/240VAC, 50/60Hz
Power consumption	3,2 A
Dimensions (WxDxH in mm)	320 x 490 x 305
Weight	20 kg (without options)
Environment temperature	5 - 35°C
Relative humidity	45 - 75 % (rel., non-condensing)
Interfaces	USB, IEEE 1284
	Ethernet-Interface 10/100 MBit, bi-directional (TCP/IP)
Optional*	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, HP-PCL5/ HPGL, 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

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

Barcodes

EAN 8, 13, 128, add on, 2/5 3-stroke Datalogic, 2/5 3-stroke Matrix, Codabar, PDF 417, Royalbar, Planet, Jetcaps (HP/SAP), Code 39, 128 MSI, UPC A, E, Postnet, KIX, USPS One Code

Optional Barcodes (Barcode 2)

Datamatrix, Maxi-Code, QR Code, Aztec-Code, USD-5 (more barcodes 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.
Ribbon Save Mode	active from 12 mm unprinted length, to save ribbon.

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 / Application specific modifications possible.

Printable Media

Size	25,4 - 154 mm width
	printable width 106 mm
5" width	25,4 - 154 mm width
	128 mm printable
Roll diameter	max. 210 mm (max 4250 g)
Core diameter	1,5 / 3 / 4 Inch (38,1 - 102 mm)
Weight	max. 240 g/m²
Paper thickness	0.2 - 0.9 mm
Thermal transfer ribbon	roll diameter max. 90 mm
Core diameter	1 inch (25.4 mm)
Ribbon length	max. 600 m
Coated side	inside (outside possible)
Ribbon width	30 - 110 mm
5" width	30 - 132 mm
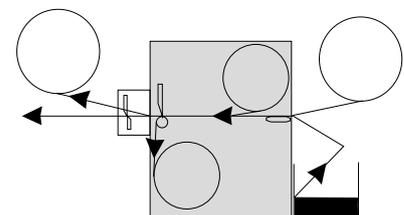
Paper Path

Input
Continuous
internal from roll, external, e.g. fanfold
standard: Gap sensor (transmissive)
optional: Black Mark sensor (reflection)

Output
Single / Job	tear-off

Optional
Continuous	externer Rewinder
Single	peel-off, Cutter
Job	cutter