microplex
printware

SOLID T4-2

Ideal for:

> Stickers, labels, and tags
> Fast just-in-time printing or batch processing
> Toughest continuous use (24/7)

HIGHLIGHTS / FEATURES / SPECIAL ATTRIBUTES

> Optionally available in 5-inch width
> USB, Ethernet (10/100 Mbit) as standard
> Laser printer compatible
> SAP with the standard PCL5e emulation
> Very high printing speed
> Robust metal case
> Optional IPDS emulation making it the printer of choice for IBM solutions

MAXIMUM FLEXIBILITY
FOR SMOOTH PRODUCTION
AND LOGISTICS PROCESSES

SOLID T4-2

The SOLID T4-2 is a robust 4-inch thermal printer (optional 5-inch printing width), designed to cope with the toughest demands in production and logistics. It prints fast and efficiently on all common materials up to 240 g/m², either in high-grade thermal transfer quality or with economical and especially efficient direct thermal printing. The SOLID T4-2 features impressive 300dpi resolution – enabling, for example, very small barcodes or graphics to be depicted in clear, razor sharp quality. The tremendous performance of the flexible Microplex Controller guarantees the strikingly fast printing speeds at all times.

Print Engine

Print technology	Thermal transfer/direct thermal harmonic (history-controlled near-edge print head) MPC 5.3
Controller	with Intel XScale PXA 255 (400 MHz RISC processor)
Print speed	up to 300 mm/s up to 12 inch/s
Print resolution	300 dpi x 300 dpi
Lifetime print head	Transfer: up to 50,000 m
Power supply	100 - 240 VAC, 50/60 Hz
Power consumption	3.2A
Dimensions (WxDxH)	12.6in x 19.3in x 12 in / 320mm x 490mm x 305mm
Weight	40 lbs / 18.5kg
Environment temperature	41- 95°F / 5 - 35°C
Relative humidity	45 - 75 % (rel., non-condensing)
Interfaces	Serial: USB, RS232, RS422 Parallel: IEEE 1284 LAN: Ethernet-Interface 10/100 MBit, bi-directional (TCP/IP)
Memory	RAM: 64 MB Flash: 16 MB

MPC 5.3 High-End Print-Controller

Emulations

MICROPLEX IDOL, HP-PCL5/ HPGL, AGFA Reno, LN03+, BULL-MP6090, Datamax (FGL), Etimark MP-1220, TEC Bx72, TEC B6xx, LDC, ZPL II, EPL2, UBI Fingerprint, IER Command, Godex EZPL, Diablo 630, IBM Proprinter, Epson FX-80, 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, IGP-10, Datamax Labelpoint, IPDS, AEA, AFP, RFM (more emulations on request)

Barcodes

QR Code, 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

USD5, Aztec-Code, UPS-Maxicode, Datamatrix (more barcodes on request)

Additional functions

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

up to 12 MB flash for forms and fonts inside the printer

Status-Out

gives notice of each correctly printed page via interface

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.
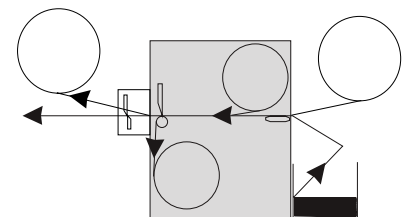
Customer / Application specific modifications possible.

Printable Media

Size	25.4 - 154 mm width printable width 106 mm
5" width	25.4 - 154 mm width 128 mm printable max.
Weight	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
Ribbon width	30 - 110 mm
5" width	30 - 132 mm

Paper Path

Input

Continuous

internal from roll, external, e.g. fanfold

Output

Single / Job	tear-off

Optional

Continuous	externer Rewinder
Single	peel-off,Cutter
Job	cutter

PRINTING TECHNOLOGIES
ENGINEERED IN GERMANY