

# SOLID 45.2



MICROPLEX®

Complete solution for workgroup and logistics



HIGH-END PRINT-CONTROLLER

MPC inside 5.X FUNCTIONS EMULATIONS SPEED

UHF integrated RFID ISO 18000-6 B/C EPC LEVEL 1 GEN.1+2

barcodes 1/2D "on-the-fly" emulation IGP

ready for... PRINT PLEX print management software

function integrated FORM management

emulation PCL 5e

ready for... LAN-admin. IP-ADMIN

function SPS CONTROL

emulation MAGNUM CODE V

ready for... SAFE PRINT safe clustering and printout supervision

function status-out PAGE CONTROL

emulation ZPL II

control LAN-admin. IP-PANEL

emulation KODE SCRIPT

function UHF LONG RANGE RFID ISO 18000-6 B/C read/write

more than 30 emulations

**Applications**

- ... single sheet RFID tags
- ... business papers
- ... barcode labels
- ... workflow papers

■ **MULTI-PROTOCOL UHF READ/WRITE UNIT**

compatible with all important RFID standards (UHF) EPC Level 1 Gen1/2 resp. ISO 18000-6 B+C

■ **FLEXIBLE IN FORMAT AND MATERIAL**

Applicability even for heavy papers and formats from A6 up to A4 excess lengths

■ **BARCODE GENERATION**

Intelligent barcode generation "on the fly" in the printer

■ **HIGH-QUALITY EQUIPMENT**

Ethernet and USB already containe in the basic version; many paper options available



600 dpi

34 pages/minute

13 pages/minute in RFID modus

A6-A4 print width

[www.microplex.de](http://www.microplex.de)

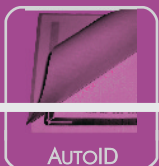
MICROPLEX Printware AG

Panzerstraße 5 D-26316 Varel

Tel. +49.4451.9137.0 Fax +49.4451.81063

Email [info@microplex.de](mailto:info@microplex.de)

MICROPLEX®



**SOLID  
45-2**

**MICROPLEX®**

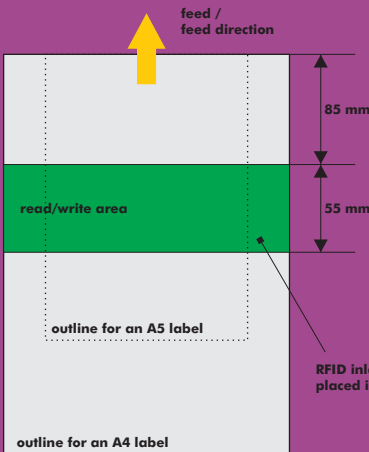
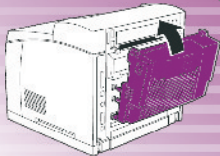
The SOLID 45-2 including RFID functionality is available in two different hardware versions providing individual read/write areas.

The barcode generator which is otherwise only available with thermal printers is an optimal tool for the fabrication of low-priced labels and tags. An Ethernet- and USB-interface are already contained in the standard device.

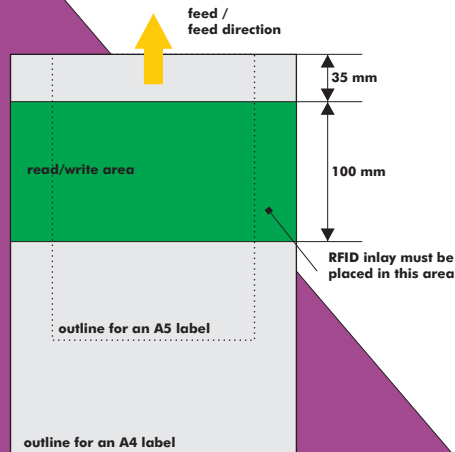


Cassette 1 (V1 only)  
Cover  
Cassette 3  
incl. RFID hardware  
Cassette 4

Optional duplex unit



**SOLID 45-2 RFID Version 1 (V1)**



**SOLID 45-2 RFID Version 2 (V2)**

### Print Engine

|                             |  |
|-----------------------------|--|
| <b>Print technology</b>     | Laser, OPC heat/pressure fixing  |
| <b>Controller</b>           | MPC 5.0 with Intel XScale PXA 255 (400 MHz-RISC processor)   |
| <b>Print speed</b>          | up to 45 pages/minute  |
| RFID modus                  | up to 13 pages/minute  |
| <b>Resolution</b>           | max. 600 dpi x 600 dpi   |
| <b>Monthly print volume</b> | recommended up to 30.000 pages (based on a using period of 60 months)  |
| max.                        | 150.000 pages  |
| <b>Power supply</b>         | 230V/50Hz (0,68 kW)  |
| <b>Dimensions</b>           | 422 x 465 x 404 (WxDxH in mm incl. stacker)  |
| <b>Environment</b>          | rel. h. 45 - 75 %<br>temp. 5 - 35°C  |
| <b>Interfaces</b>           | Serial: USB, RS232, RS422<br>Parallel: IEEE 1284<br>LAN: Ethernet-Interface 10/100 MBit, bi-direktional (TCP/IP) |
| <b>Memory</b>               | RAM: 64 MB<br>Flash: 16 MB   |

### UHF-RFID-READER

|                           |  |
|---------------------------|--|
| <b>RFID Transmission</b>  | integrated multi-protocol reader 869,5 MHz<br>USA (902-928 MHz) optional on request<br>Japan (952-954 MHz) optional on request |
| <b>Functionality</b>      | reading/writing/verifying  |
| <b>Accepted standards</b> | EPC Class 1 Gen2,<br>EPC 1.1.9 Philips,<br>ISO 18000-6B/6C   |
| <b>Antenna position</b>   | predefined read/write area,<br>no antenna position calibration required;<br>optimal positioning depends on inlay design        |

# SPECIFICATIONS

### MPC 5.x High-End Print-Controller

|                            |  |   |
|----------------------------|--|---|
| <b>Emulations</b>          | MICROPLEX IDOL<br>HP PCL 5e<br>Epson FX-80<br>Datamax, EPL   | IBM Proprinter<br>Diablo 630<br>TIFF, ZPLII<br>μ-Postscript                           |
| <b>Optional Emulations</b> | Printronix IGP<br>PGL<br>IPDS  | Magnum Code V<br>Kycocera Prescribe<br>Express<br><i>(more emulations on request)</i> |
| <b>Barcodes</b>            | EAN 8, 13,<br>128, add on<br>2/5 3-stroke Datalogic<br>2/5 3-stroke Matrix<br>Codabar, PDF 417<br>Royalbar, Planet   | Jetcaps (HP/SAP)<br>Code 39<br>128 MSI<br>UPC A, E<br>Postnet, KIX<br>USPS One Code   |
| <b>Optional Barcodes</b>   | USD5<br>Aztec-Code   | UPS-Maxicode<br>Datamatrix<br><i>(more barcodes on request)</i>                       |
| <b>Funktions</b>           | Intelligent barcode generation on-the-fly in the printer<br>Format splitting in several subformats by command<br>Integrated form management up to 12 MB flash for forms and fonts inside the printer |   |
| <b>Optional Functions</b>  | Status-Out gives notice of each correctly printed page via interface.<br>SPS-control integration of the printer into production lines is possible, controlled by SPS-interface.                      |   |

### Media

|               |  |
|---------------|--|
| <b>Size</b>   | A6, A5, A4 and special sizes   |
| <b>Weight</b> | paper weight 60-176 g/m <sup>2</sup><br>with suitable quality up to 216 g/m <sup>2</sup> |

### Feeder/Stacker

|               |  |
|---------------|--|
| <b>Output</b> | 500 sheets, face down<br><b>Optional Stacker</b><br>500 sheets, offset-stacker duplex unit (depends on material)   |
| <b>Input</b>  | V1 only: Cassette 1, 100 sheets (A6 to A4)<br>Cassette 3, 400 sheets (A6 to A4), or up to 130 RFID labels<br><b>Options Input</b><br>Cassette 4, 400 sheets (A6 to A4), or up to 130 RFID labels |

[www.microplex.de](http://www.microplex.de)

**MICROPLEX**

Printware AG

Panzerstraße 5  
D-26316 Varel

Tel. +49.4451.9137.0

Fax +49.4451.81063

Email [info@microplex.de](mailto:info@microplex.de)



PRINTERS



SOFTWARE



AUTOID

Product names mentioned here in are trademarks and/or registered trademarks of their respective companies. All coloured and italic printed items are options. Technical specifications may be changed at any time without notice. All written numbers, prices and specifications in this data sheet are for description purposes only. No promise or guarantee is made as to the accuracy of the numbers, prices or specifications provided and furthermore no guarantee is provided that the numbers / prices quoted or specifications given will be that of the final product purchased. It remains the duty of the buyer to confirm and prove that the specifications provided in the product meet with the buyers needs regarding the buyers specific application and/or installation.

**MICROPLEX®**