



# Professional Dot Matrix Printer for Industry, Logistics and Administration

# PP 803



PP 803 with optional 2nd Tractor Cassette and Printer Stand

The PP 803 printer offers a professional solution for heavy duty, flexible, cost-efficient printing. The rugged metal design, the paper run control, and the ribbon run control guarantee reliable unattended printing. With its proven connectivity concept the PP 803 is prepared for any network environment. The ultra precise registration allows perfectly to fill-in pre-printed forms such as shipping documents and tickets. The Intellidrive™ - Technology guarantees a perfect print quality with crisp letters and barcodes with highest readability. The Automatic Gap Control (AGC) allows to print on paper up to 1mm (0.04 inch) thickness and transport paper with a thickness up to 2 mm (0.08 inch). The long-life print head fires the wires against a print bar and can produce up to 9 copies.

Up to two Tractor Cassettes and the Auto-Tear-off function make the handling of fanfold paper as easy as possible.

- Heavy duty 24-wire dot matrix printer with Intellidrive™ - Technology
- Compact flat bed design with 94 columns and print bar
- Robust design for industry
- High print performance:  
600 cps (10 cpi)  
500 pages/hour  
40.000 pages/month
- Up to 9 excellent copies (1+8)
- Precise print positioning, perfect for form printout
- Up to 2 fanfold paper feeders and manual single sheets
- Low cost per page through 15 Mio character ribbon
- Printing width up to 94 columns (10 cpi)
- Easy user operation via macro functions
- Personality Modules (interfaces) for major host and network environments
- Optional paper cutter

## TECHNICAL DATA

### Printer Specification

<b>Technology:</b>	serial impact dot matrix
<b>Printhead:</b>	24 wires, 0.25 mm needle diameter; life time 400 million characters (DQ)
<b>Print mode:</b>	high speed draft (HSD), data (DQ), near letter (NLQ) and letter quality (LQ)
<b>Print format:</b>	94 characters at 10 cpi
<b>Ribbon:</b>	cartridge nylon ribbon black, 15 million characters, auto ribbon run control
<b>Dimensions:</b>	550 x 280 x 295 mm (WxDxH) (21.7 x 11.0 x 11.3 inch)
<b>Weight:</b>	15.7 kg
<b>Diagnostics:</b>	selftest, hexdump, remote diagnostics via interface
<b>Operator Panel:</b>	16 digit LCD display, trilingual (German, English, French)
<b>Keyboard:</b>	Membrane tactile type with Ready/Stop LED
<b>Rated voltage:</b>	100 - 125 VAC / 200 - 240 VAC max. 3A / 1.5A, 50 - 60 Hz
<b>Power input:</b>	200 W, 30 W Standby
<b>Environmental temperature:</b>	operating: +10 to +35 °C (+50 to +95°F) 20 to 80% rel. humidity storage: -40 to +70 °C (-40 to +158°F) 5 to 85% rel. humidity
<b>Noise level:</b>	53 dB(A) acc. to ISO 7779
<b>Agency approvals:</b>	VDE/GS, UL, C-UL, CE, FCC-B

### Performance

<b>Print speed:</b>	DQ: 600 cps at 10 cpi NLQ: 300 cps at 10 cpi LQ: 150 cps at 10 cpi
<b>Throughput:</b>	DQ: 500 pages/hour
<b>Duty cycle:</b>	40,000 pages per month
<b>MTBF:</b>	15,000 hours at 30% duty cycle

### Paper Handling

<b>Paper path:</b>	flatbed design; 2 paper inputs, 1 output for fanfold paper, paper path selectable via software or operator panel
<b>Paper input:</b>	one removable tractor cassette, slot for optional second tractor cassette to the rear with zero tear-off
<b>Paper output:</b>	60 to 150 g/m <sup>2</sup> formsets up to 480 g/m <sup>2</sup>
<b>Paper weight:</b>	105 to 270 mm (4 to 10.625 inch)
<b>Paper width:</b>	20 inch/second
<b>Form feed:</b>	
<b>Automatic Gap Control (AGC):</b>	optimizes automatically the print gap according to paper thickness
<b>Copies:</b>	1 original + 8 copies; max. paper thickness 1.0 mm (0.04 inch), 2.0 mm (0.08 inch) transportation

### Connectivity

#### PERSONALITY MODULE SER/PAR

<b>Interfaces:</b>	IEEE 1284 and serial RS-232C/RS422, shared mode
<b>Emulations:</b>	IBM Proprinter XL24 (AGM), Epson LQ 2550/1060/ESC/P2
<b>Buffer:</b>	up to 64 KByte
<b>Character sets:</b>	ISO 8859/1, ISO 8859/9, 8859/15; IBM Set 1/Set 2 in 14 national versions; IBM Code Pages 437, 850, 857, 858, 860, 863, 865; Epson Ext. Char. Set in 15 national versions; Eastern European character sets 771, 773, 774, 775, 852, 1125, 1251; Baltic RiM, Greek, CZ, HUN, Russia, Win Lat 2
<b>Fonts:</b>	draft quality: High Speed Draft, Data and Data Large; Near letter and letter quality: Courier, Sans Serif, OCR-A, OCR-B, Orator, Orator-C, Prestige, Roman, Script, Sans script
<b>Character attributes:</b>	bold, italic, shadow, outline, double strike, underline, double underline, overline, strike through, sub/ superscript, double to octuple, for Data Large 99-fold size
<b>Pitches:</b>	10, 12, 15, 17.1, 18 and 20 cpi, proportional
<b>Line spacing:</b>	2, 3, 4, 6, 8, ... 360 lpi
<b>Barcode:</b>	EAN 8, EAN 13, UPC-A, UPC-E, Postnet, KIX Code, Code 39, Code 93, Code 128 (incl. EAN 128), Codabar, 2 of 5 industrial, 2 of 5 interleaved, and MSI Mod 10/10
<b>Graphics:</b>	360 x 360 dpi max.
<b>Macros:</b>	parameter settings for up to four individual printer configurations, selectable via software or Operator panel

#### Other optional PERSONALITY MODULES

<b>Ethernet:</b>	Ethernet 10BaseT / 100BaseTX RJ45
<b>IPDS:</b>	Ethernet
<b>IGP:</b>	SER/PAR with Printronix IGP 10/20/40 emulation
<b>HP:</b>	SER/PAR or Ethernet with HP2934/2235 emulation
<b>GENICOM:</b>	SER/PAR or Ethernet with Genicom 3840 emulation
<b>MT50:</b>	SER/PAR or Ethernet with MT50 emulation
<b>Stringchange:</b>	SER/PAR or Ethernet

Printer drivers for Windows and SAP R/3 device types are available for download  
at <http://www.psiprinters.com>.

### Options

<b>Printer stand:</b>	for handling of dual fanfold paper input, dimensions: 450 x 660 x 840 mm (WxDxH) (17.7 x 26.4 x 33.6 inch) weight: approx. 16 kg
<b>Tractor cassettes:</b>	Enables auto loading of second form. Extra cassettes may be dedicated to regularly used forms for quick loading.
<b>Manual feed unit:</b>	for single sheet or formset input.
<b>Collector Trays:</b>	Trays attach to printer and collect individual sheet output - Front or Rear.
<b>Cutter:</b>	Internal cutting device enables forms to be separated. Panel setting allows automatic cut between print jobs.

This is only an extract of the product specification. For a detailed specification it is referred to the comprehensive product documentation. Specifications are subject to change without notice. All registered trademarks are the property of their respective companies.

MICROPLEX Printware Corp  
30300 Solon Industrial Pkwy  
Suite E  
Solon, OH 44139 USA  
Tel: 877-997-6543  
Fax: 440-374-2422

sales@microplex-usa.com  
www.microplex-usa.com



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