PROFESSIONAL HIGH PERFORMANCE PRINTER **PP 803**

for logistics, industry and administration with QR code

Professional printing solutions

PP 803

**Industries/
Automotive**

**Trade/
Distribution**

Logistics

Performance

Cost

- Heavy duty 24-wire dot matrix printer with IntellidriveTM - 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

- Paper cutter Integrated or available as an option

- QR-Code printable in sizes from 2-15

By the QR- code function the PSi PP 803 printer supports one of the key aspects for implementation of Industries 4.0, that is fast and error free availability of digital information to improve the efficiency of controlling the logistics processes in the scope of supply chain management.

In this environment barcode technologies have been established since decades very successfully. As the amount of digital information needed does permanently increase in order to continuously optimize the logistics processes, two dimensional barcodes like QR- code have been introduced.

The QR- code image is generated inside the printer that way that it is printed with best graphical resolution and highest speed. A fee based external software like a label software is not required any more.

PSi Matrix

TECHNISCHE DATEN

Printer Specification

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

Performance

Print speed:		
	DQ:	600 cps at 10 cpi
	NLQ:	300 cps at 10 cpi
	LQ:	150 cps at 10 cpi
Throughput:	DQ:	500 pages/hour
Duty cycle:		40,000 pages per month
MTBF:		15,000 hours at 30% duty cycle
Cutting Device:		1 Mio. cuts of 80 g/m2 paper

Paper Handling

Paper path:	flatbed design; 2 paper inputs, 1 output for fanfold paper, paper path selectable via software or operator panel
Paper input:	one removable tractor cassette, slot for optional second tractor cassette
Paper output:	to the rear with zero tear-off
Paper weight:	60 to 150 g/m^2 formsets up to 480 g/m^2
Paper width:	105 to 270 mm (4 to 10.625 inch)
Form feed:	20 inch/second
Automatic Gap Control (AGC):	optimizes automatically the print gap according to paper thickness
Copies:	1 original + 8 copies; max. paper thickness 1.0 mm (0.04 inch), 2.0 mm (0.08 inch) transportation
Cutter:	Internal cutting device enables forms to be separated. Panel setting allows automatic cut between print jobs.r

Connectivity

PERSONALITY MODULE SER/PAR

Interfaces:	IEEE 1284 and serial RS-232C/RS422, shared mode
Emulations:	IBM Proprinter XL24 (AGM), Epson LQ 2550/1060/ESC/P2
Buffer:	up to 64 KByte
Character sets:	ISO 8859/1, ISO 8859/9, 8859/15; IBM Set 1/Set 2 with 14 national versions; IBM Code Pages 437, 850, 857, 858, 860, 863, 865; Epson Ext. Char. Set with 15 national versions; Eastern European character sets 771, 773, 774, 775, 852, 1125, 1251; Baltic RiM, Greek, CZ, HUN, Russia, Win Lat 2
Fonts:	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
Character attributes:	bold, italic, shadow, outline, double strike, underline, double underline, overline, strike through, sub/superscript, double to octuple, for Data Large 99-fold size
Pitches:	10, 12, 15, 17.1, 18 and 20 cpi, proportional
Line spacing:	2, 3, 4, 6, 8, ... 360 lpi
Barcode:	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, QR-Code
Graphics:	360 x 360 dpi max.
Macros:	parameter settings for up to four individual printer configurations, selectable via software or Operator panel

Other optional PERSONALITY MODULES

Ethernet:	Ethernet 10BaseT / 100BaseTX RJE45
IPDS:	Ethernet EasyCom 5
IGP:	SER/PAR with Printronix IGP 10/20/40 emulation
HP:	SER/PAR or Ethernet with HP2934/2235emulation
GENICOM:	SER/PAR or Ethernet with Genicom 3840 emulation
MT50:	SER/PAR or Ethernet with MT50 emulation
Stringchange:	SER/PAR or Ethernet

Printer drivers for Windows and SAP R/3 device types are available for download at http://www.psi-matrix.eu

Options

Printer stand:	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
Tractor cassettes:	Enables auto loading of second form. Extra cassettes may be dedicated to regulary used forms for quick loading.
Manual feed unit:	for single sheet or formset input.
Collector Trays:	Trays attach to printer and collect individual sheet output - Front or Rear.
Cutter option:	Internal cutting device enables forms to be separated. Panel setting allows automatic cut between print jobs.
QR-Code Emulation:	Printing of a QR code in sizes 2 - 15.

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.

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