

EP80-PBO

PANEL PRINTER

The EP80-PBO panel printer is a compact thermal panel printer built for high-speed, high-volume use in retail, medical, and logistics environments.

It offers sharp print quality, easy maintenance, and seamless performance — making it an excellent retail printer for tight spaces where reliability and precision matter.



FEATURES

- Compact and lightweight design – easy to integrate into space-constrained systems
- Ultra-fast printing speed – up to 250 mm/s for high-efficiency output
- Supports all standard barcode and QR code formats
- Multilingual font compatibility – including support for Asian character sets
- Flexible connectivity options – with standard interfaces for smooth integration
- Advanced sensors – for intelligent paper status and error detection

ADVANTAGES

- Inventory available in Europe for quick and reliable access
- Short lead times with fast shipping from our European warehouses
- Local support for seamless communication and responsive assistance
- Quick service and repair turnaround through our European-based operations
- Over a decade of EP802 printer expertise ensuring trusted performance
- Regular software updates for ongoing compatibility and improved functionality
- Wide selection of accessories to support flexible integration and system expansion



INDUSTRY VERTICALS

The EP80-PBO panel printer is designed to perform reliably across a wide range of industries, making it a trusted solution for the following applications:

- **Retail systems** – as a retail thermal printer, it is ideal for high-volume operations and seamless integration
- **Retail POS** – fast and accurate receipt generation at the point of sale
- **Receipt printing** – sharp, clear output for transactional documentation
- **Transportation centers** – efficient ticketing and passenger service solutions
- **Logistics centers** – dependable printing for labeling and tracking
- **Kiosk-embedded systems** – compact fit for self-service units, making it an excellent kiosk panel printer
- **Supermarket POS** – built for busy checkout environments with consistent performance



TECHNICAL SPECIFICATION

Printing

Printing Method	Thermal dot line
Resolution	203 dpi
Dots per line	576
Printing speed	250 mm/s
Paper width	80 mm
Printing width	72 mm max
Paper roll diameter	80 mm
Paper weight	55-80 gsm
Paper thickness	0.06~0.12 mm
Print head life	100 km
Cutter life	1,000,000 cuts 55um
Cut mode	Fully cut & partial cut
Printing format	Highlighting, underlining, italics, bold, etc
Character set	EPSON emulation
Printing direction	Straight, 90°, 180°, 270°
PCB Memory	192 KB flash and 64 KB RAM
Data Buffer	1 MB

Font

ASCII	9*17 ; 12*24 dots
Chinese	24*24 dots
Barcode	Full support

Software

Driver	Windows XP, 7, 8, 10, 11, Andoid, Linux
Tools	MSPrinterTools upon request, customizable Nvbitmap

Mechanical

Dimension w/ bezel	115 mm (L) x 88.5 mm (W) x 132 mm (H)
Power Supply	24V dc±10%
Working current	2A Mean 6.5A Peak
Idle current	0.5A
Interface	RS232 + USB + Cash box
Weight w/o paper spindle	0.45 kg
Operating temperature	-10 - 50 °C
Storage temperature	-20 - 60 °C
Operating humidity	20 - 86%
Storage humidity	10 - 90%

Part Number

EP80-PBO Thermal Printer	23101013
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Available on Request	Drawing
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