

# BTP-R580II

## POS Thermal printer

**SPILL-PROOF DESIGN AND  
FRONT PAPER EXIT**

**HIGH-SPEED AND VERSATILE PRINTER**

[www.orient-technologies.com](http://www.orient-technologies.com)



#### Applications:

Kitchen  
Retail  
Hospitality  
Vending  
Ticketing  
Logistics  
Coupon  
Lottery

#### Standard features at a glance:

- Spill-proof and meets IPX1 standard
- Print speed up to 230 mm/s
- Front paper exit
- Two color printing
- Gray scale printing
- Paper roll diameter up to 100 mm
- Supports various interfaces
- Supports marked paper
- Compatible with the HERALD kitchen alarm system
- Internal power supply



**ORIENT Technologies bv**  
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# BTP-R580II

## POS thermal printer



### Print

Print Method	Line direct thermal
Resolution	203 DPI x 203 DPI
Print width	80 mm (Max.)
Print speed	230 mm/s
Memory	RAM: 2MB, FLASH: 2MB/4MB
TPH overheating protection	Thermal sensor
Top cover position detection	Micro switch
Sensors	Paper near end sensor, paper end sensor
Drivers	Windows driver (Win2000/XP, WinServer2003/2008, VISTA, Win7, Win8); OPOS, Java POS, Linux CUPS, MAC
Interface	USB: on board. Daughter boards: Parallel(IEEE1284), Serial, RS485, Ethernet, WLAN (Wi-Fi), Bluetooth
Cash drawer control	1-2 cash drawers

### Barcodes Fonts Graphics

Bar Code Supported	1D: UPC-A, UPC-E, EAN-8, EAN-13, CODABAR, CODE39, ITF, CODE128, CODE93
Fonts	2D: PDF417, QR, Maxicode, GS1 barcode Font A (12 x 24), Font B (9 x 17). Kanji Font A: 24x24 Optional: Simplified Chinese, Korean, Traditional Chinese, Japanese, English. Codepage: 57 kinds of codepages International character sets: 14 kinds
Character modification	Rotate(0°, 90°, 180°, 270°), enlarges(1-6X), emphasize, underline, reverse
Graphic printing	Direct bitmap print: support bitmap and execute quick print Download bitmap into 128 KB buffer FLASH bitmap download: the buffers size is 512 KB

### Paper

Paper type	Continuous paper, marked paper
Paper thickness	0.06~0.10 mm
Paper width	54.5~82.5mm
Paper roll OD	100 mm (Max.)
Paper cut	Full cut, Partial cut, Tear off

### Power supply

Input	100~240 VAC, 50~60 Hz
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### Reliability

Printer head lifetime	150 Km (standard test sample with 12.5% duty ratio)
Cutter lifetime	2,000,000 cuts (standard thermal paper, 0.065 ± 0.005 mm)
MCBF/MTBF	70,000,000 lines / 360,000 hours

### Environment

Operating conditions	5°C to 45°C, 20% to 90%RH (40°C)
Storage conditions	-40°C to 60°C, 20% to 93%RH (40°C)

### Physics Spec.

Dimensions	155.5 (W) x 205 (D) x 160 (H) mm
Weight	Approx. 2 kg

### Certification

CE, CB, UL, FCC, RoHS, EnergyStar



Full spill proof design  
This design is suitable especially in environments like kitchens and bars.



Easy paper loading.  
Open top cover, insert paper roll, close top cover and print.



Optional HERALD  
Kitchen alarm system  
Specially designed for noisy environments like kitchens.



Straight paper path  
for reliable printing



Optional interfaces  
Modular interfaces (so-called interface boards) include Serial, Parallel, USB, Ethernet and WLAN which can be configured by the user.



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