

# PANTUM

The New Era for Printing

## PT-B680/682/685

Industrial Thermal Transfer

Barcode Label Printer



# INTUITIVE



## RELIABLE COMBINATION OF EASINESS AND QUALITY

To accelerate your business expansion, you need a remarkable assistant right here! This industrial label printer is designed with compact size, easy operation and outstanding quality. You will be offered with hassle-free printing experiences in different environments accompanied by this durable machine!

- ⚡ High Printing Speed up to 203mm/s
- 🔌 Three Connectivity, Triple Convenience
- 📄 Support up to 450m Ribbon Length\*
- 🖨️ Print Crisp Labels with High Resolution
- 🛡️ Durable Metal Frame Structure Keeps You Frustration Free
- 🕒 Smooth and Long Printing Design (7\*24h Printing Supported)

\*Applicable for Thermal Transfer mode that requires the use of a thermal ribbon. (The printer also supports Direct Thermal mode that requires the use of direct thermal media but not ribbon.)

### ■ FIND US IN (E.G.):

**PUBLIC INSTITUTION**

Documentation  
Management  
Asset Management...

**MANUFACTURING**

Product Tags  
Raw Materials Labeling  
Stock Checking  
Asset Management...

 **INTUITIVE SERIES**

The picture is only for reference, please make the object as the standard.

EN-WW-20210928

[WWW.PANTUM.COM](http://WWW.PANTUM.COM)

MODEL  
APPLICATION FIELDS

**PT-B680/682/685**  
Commercial

**PRINTING**

Printing interface	3 Interfaces (Serial Port + USB + Ethernet)
Printing method	Thermal Transfer/Direct Thermal
Max. printing speed	203mm/s
Resolution	300dpi (11.8 dots/mm)
Printing mode	Ribbon/Thermal
Print point size	0.084 x 0.084mm (1mm=11.8 dots)
Max. printing width	106.7mm
Max. printing length	710mm
Thermo sensitive film (wear resistance)	30km (12.5% coverage)

**MEDIA**

Ribbon outer diameter	Max. 81.3mm
Ribbon length	Support up to 450m
Ribbon core size	1 inch (25.4mm)
Ribbon width	Max. 110mm; Min. 30mm
Ribbon winding form	Outer Coil Type
Core max. outer diameter	203mm
Paper types	Continuous Paper, Clearance paper, Fold Paper, Black Mark, Punched Label, Washing Label
Support media material	Thermal Paper, Heat Sensitive Adhesive, Raflacoat Self-Adhesive, PET Stickers, PVC Stickers, Silver-Dumb Adhesive
Paper winding form	Print surface outside roll type
Paper width (label + backing paper)	Max. 120mm; Min. 20mm
Paper thickness (label + backing paper)	Max. 0.254mm; Min. 0.06mm
Paper reel core size	25.4mm ~ 38mm
Gap paper spacing height	Min. 2mm

**PERFORMANCE**

Power supply	Input: AC 200-240V 1.5A
Memory	DRAM: 16M FLASH: 8M
Sensor	Lack of Paper Detection, Open Cover Detection, Overheating Detection, Gap Detection, Carbon Tape Detection

**ENVIRONMENT**

Operation	0~40°C, 30~90% Non-Condensing
Storage	-20~55°C, 20~93% Non-Condensing

**PHYSICAL**

Printer dimension (W x D x H)	425x255x265mm
Printer weight	About 9.65 KG
Package size (W x D x H)	525x375x365mm
Package weight	About 11.95 KG
Accessory	Manual (Quick Installation Guide, Certificate Of Qualification), USB Cable, Power Cord, CD (Driver, User Manual, Label Software, Neutral SDK), Test Ribbon Tape, Test Label Paper

**OTHER FUNCTION**

Programming language	ZPL
Operating system (Windows)	Win10/Win8.1/Win8.0/Win7
Operating system (Mac)	/
Operating system (Linux)	Linux 19.10, Linux18.04.5, Red Hat Linux; Other versions can be compiled to support the CUPS version of the Linux system
Support barcode	Aztec, Code 11, ITF, Code 39, Code 49, Planet, PDF 417, EAN-8, UPC-E, Code 93, Code 128, EAN-13, Micro PDF 417, Industrial 2 of 5, Standard 2 of 5, ANSI Codabar, LOGMARS, MSI, Plessey, QR, UPC/EAN, UPC-A, Data Matrix
Fonts	Downloaded TTF Fonts
Chinese character programming method	GB-18030, UTF-8