



Barcode Printer

# BP-744+ Series

Thermal Transfer/ Direct printer

4"/second speed, 2-in-1 interface

## The Smart Solution for Productivity



- Retailing Stores (POS)
- Office Automation (O/A)
- Factory Automation (F/A)
- Other Related Automation

### Ordering Information:

BP-744+U: 4" width Thermal transfer & direct, 4"/second, RS232+USB

BP-744+P: 4" width Thermal transfer & direct, 4"/second, LPT+USB

K012A: Smart Keyboard Display Unit (KDU)

### 1.High Performance

8MB DRAM memory and with printing speed of 4 inches per second. In order to meet the new customer requirement, Birch, an Auto-ID professional manufacture introduces a more powerful BP-744+ barcode printer. It is most suitable for retailer, catering, office and factory user.

- 8MB DRAM memory, 4MB Flash ROM
  - Font cartridge for different languages
  - Printing Speed 4 inches per second
  - Both USB and Serial interface
  - A Slot for SDIO memory card that users can expand Flash memory storage
- Both reflective and Transmissive sensor is provided.

### 2.Compatible with Windows operation system and Emulate with Zebra/ Eltron command

Since barcode automation becoming more and more popular, the new Birch BP744+ can be user under different software environment. It comes with the well-known software. (BarTender or similar software) for your convenience we also supply BIRCH LABEL and DLL for program development.

### 3.A Cost-effective Solution

Everything you needed is completed in one package. Not only the BP-744+ is a cost effective barcode printer but also includes all the components required. The standard package includes 8MB DRAM and 4MB Flash ROM without additional charge.

### 4.Offering a series of Optional Items

A lot of options make your printing more easily besides standard package, Birch also supplies many optional products such as peripherals and label. During your barcode automation process, we will be your best partner and advisor.

- Real time clock (RTC)
- Font cartridges for Korean and Chinese
- Different kind of label and tag
- Different kind of ribbon

### 5.More Paper-load Space and Good design

BP-744+ is built in with space enough for a 40 meters long label. However it comes with an external label stand which can supports up to 100 meters long label. User can choose their mounting method according to the label length required.



- ✿ Multi-European Languages available (code pages)
- ✿ Built-in 12MB memory as standard
- ✿ Bundled with windows driver + BarTender

## Technical Specifications

<b>Model</b>	<b>BP-744+U</b>		
<b>Printing Method</b>	Thermal Transfer & Thermal Direct	<b>Communication</b>	and horizontally USB and RS-232 serial, 2400 bps to 19,200bps, XON/XOFF, DSR/DTR handshaking
<b>Printing speed</b>	1.5, 2, 3, 4 ips	<b>Printing Barcode Symbolisms</b>	<b>1D barcode:</b> Code 39, 93, 128 UCC, 128 (subset A,B,C) Codabar, Interleave 2 of 5, EAN-8, EAN-13, EAN-128, UPC-A, UPC-E, AN and UPC 2(5) digits add-on, MSI, LESSEY, POSTNET, China Post <b>2D barcode:</b> PDF-417, Maxicode, Data Matrix, QR code
<b>Memory</b>	8MB DRAM memory 4MB Flash ROM	<b>Graphic Environment</b>	Support PCX Operation: 5°C-40°C (41F-104F), 25-85% non-condensing Storage: -4°C-60°C (-40F-140F), 10-90% non-condensing
<b>Processor</b>	32-bit RISC CPU	<b>Software</b>	BarTender software and Birch Label Driver, Windows OS supported including Windows 7 ( Windows NT Driver upon your request)
<b>Resolution</b>	203DPI (8 dots/mm)	<b>Dimensions</b>	232 x 288 x 156 mm (9.13" x 11.34" x 6.14")
<b>Printing Width</b>	4.09" (104mm)	<b>Weight</b>	6 lbs (2.36 kgs weight)
<b>Printing Length</b>	90" (2,286mm)	<b>Safety standard</b>	CE, FCC
<b>Ribbon capacity</b>	300M, 1" (25.4 mm) core, Max. OD 2.64" (67 mm)	<b>Options</b>	<ul style="list-style-type: none"> <li>■ External Label Roll Mount</li> <li>■ External Ethernet print server</li> <li>■ SD memory card</li> <li>■ External Wireless Ethernet Print Server</li> </ul>
<b>Label roll capacity</b>	Max. OD 4.33" (110 mm) by 1" (25.4 mm) core		
<b>Media Type</b>	Continuous, die-cut, fan-fold, tag, black mark, ticket, Outside wound		
<b>Media</b>	Width: 1.00"-4.49" (25.4 – 114mm) Length: 0.4"-90" (10mm-2.286mm) Thickness: 0.002"-0.001" (0.06-0.25mm) Diameter: 1"- 3" (25.4 ~ 76.2 mm)		
<b>Black Sensor height</b>	0.06"-0.12" (1.5mm-30mm)		
<b>Media Sensor</b>	Black mark reflective sensor, gap transmissive sensor and ribbon end sensor		
<b>Ribbon</b>	Type of Ribbon: Wax, Wax/Resin, Resin Ribbon Width: 1"-4" (25.4mm-110mm) Ribbon Length: Max 300M		
<b>Fonts</b>	International character set standard (Code page) 5 alpha-numeric fonts from 0.059" – 0.23H (1.25mm-3.0mm) All fonts are expandable up to 24x24 (Chinese can be 16x16, 24x24) 4 direction 0-270 (0,90,180,270) rotation and can be expandable x 8 by vertically		

### Ribbons & Paper

#### Ribbons: The Ribbons for BD-742 are outside-coating ribbon:

<b>R310</b>	<b>WAX Ribbon</b>	<b>100mm</b>	<b>x</b>	<b>300M</b>
<b>R308</b>	<b>WAX Ribbon</b>	<b>80mm</b>	<b>x</b>	<b>300M</b>
<b>R306</b>	<b>WAX Ribbon</b>	<b>60mm</b>	<b>x</b>	<b>300M</b>
<b>R304</b>	<b>WAX Ribbon</b>	<b>40mm</b>	<b>x</b>	<b>300M</b>

#### Thermal direct paper:

<b>29 x 10mm</b>	<b>2,500 pcs/roll</b>	<b>10 rolls/pack</b>
<b>29 x 25mm</b>	<b>1,100 pcs/roll</b>	<b>10 rolls/pack</b>
<b>40 x 20mm</b>	<b>1,300 pcs/roll</b>	<b>8 rolls/pack</b>
<b>58 x 35mm</b>	<b>800 pcs/roll</b>	<b>5 rolls/pack</b>

#### A. Art paper:

<b>60mm</b>	<b>x</b>	<b>80M/roll</b>
<b>80mm</b>	<b>x</b>	<b>80M/roll</b>
<b>90mm</b>	<b>x</b>	<b>80M/roll</b>

#### B. Silk color paper:

<b>70mm</b>	<b>x</b>	<b>80M/roll</b>
<b>80mm</b>	<b>x</b>	<b>80M/roll</b>
<b>100mm</b>	<b>x</b>	<b>80M/roll</b>



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