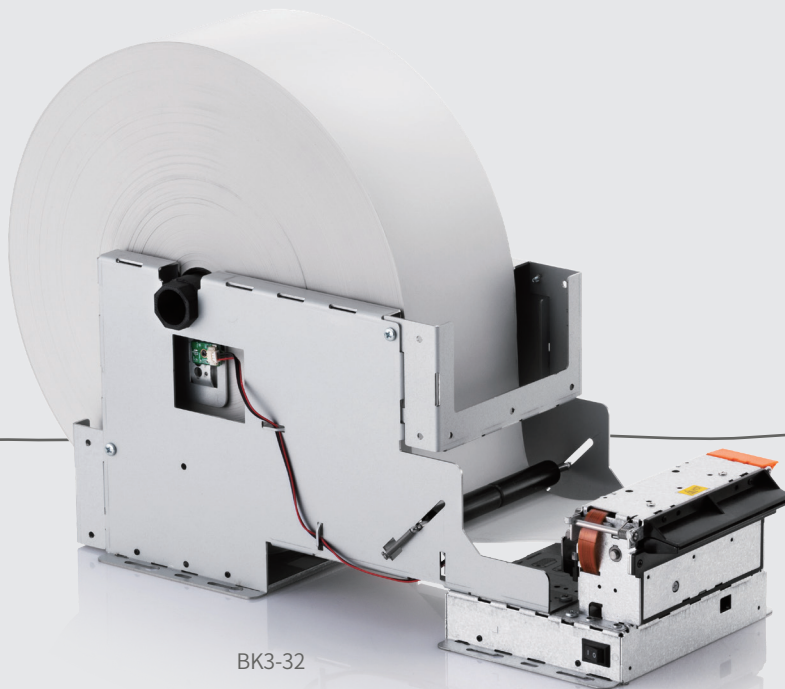


BK3-31 Series

3-inch Kiosk Printers

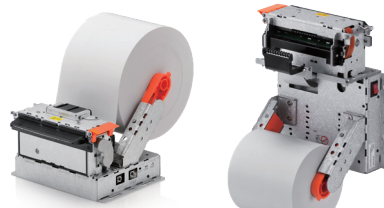


Flexible and Reliable



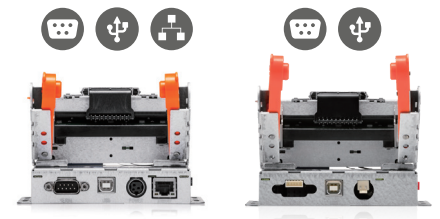
Powerful Printing Performance

- Fast speed up to 250 mm per second at 203 dpi
- Long term reliable operation in a wide range of temperatures
- Supporting selectable media widths of 20 / 58 / 60 / 80 / 83 mm
- Ideal ticket solution handling media thickness of up to 0.15 mm
- A variety of drivers and SDKs for major operating systems
- Reducing paper usage up to 25% resulting in less waste and lower CO2 emission



User-Centered Design

- Adaptable to hold media diameter of 80 / 102 / 120 / 150 mm (BK3-32: up to 250 mm)
- The compact and lightweight design to fit perfectly into constricted spaces
- Power switch and reset button are available on both sides of the printer for easy reboot
- Multi-position near end sensor for efficiently monitoring status of paper
- Presenter option supported to reduce paper jamming and vandalism

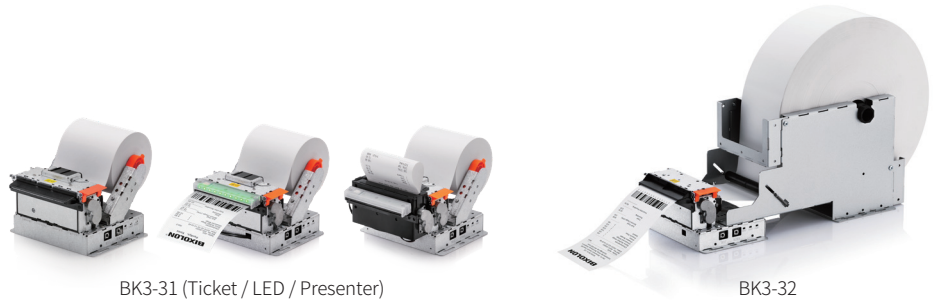


High Flexibility

- Standard Interface: USB (V2.0 Full Speed) + Serial
- Optional Interface: USB (V2.0 Full Speed) + Serial + Ethernet
- Power: DC-Jack or 2P Connector
- Serial: 9P Male or 5P Connector
- Range of bezel options: None Bezel / 4 Types of Standard Bezel / LED Bezel

BK3-31 Series

3-inch Kiosk Printers



Specifications

Print Characteristics

Print Method

Direct Thermal

Print Speed

Up to 250 mm/s

Print Resolution

203 dpi

Print Width

12 / 48 / 54 / 72 mm

Sensor

Paper End, Cover Open, Near End, Black Mark

Media Characteristics

Media Type

Receipt, Ticket

Media Width

20 / 58 / 60 / 80 / 83 mm

Media Roll Diameter

BK3-31: 80 / 102 / 120 / 150 mm

BK3-32: Up to 250 mm

Media Thickness

0.05 ~ 0.12 mm

Supply Method

Easy Paper Loading

Physical Characteristics

Dimensions (W x L x H)

BK3-31

Media Roll Diameter Φ 80: 130 x 130 x 91 mm

Media Roll Diameter Φ 102: 130 x 137 x 99 mm

Media Roll Diameter Φ 120: 130 x 144 x 105 mm

Media Roll Diameter Φ 150: 130 x 160 x 105 mm

BK3-31 (Vertical)

Media Roll Diameter Φ 80: 130 x 159 x 91 mm

Media Roll Diameter Φ 102: 130 x 167 x 99 mm

Media Roll Diameter Φ 120: 130 x 173 x 105 mm

Media Roll Diameter Φ 150: 130 x 189 x 105 mm

BK3-32

Media Roll Diameter Φ 250: 130 x 339 x 145 mm

Weight

BK3-31: 700 g

BK3-32: 1,470 g

Electrical

100-240 V AC, 50/60 Hz

Lever Direction

Left, Right

Mount Direction

BK3-31: Horizontal / Vertical

BK3-32: Horizontal

Performance Characteristics

NV Image Memory

256 Kbytes (Mono)

Receive Buffer

64 Kbytes

User Define Buffer

12 Kbytes

Interface

Standard: USB (V2.0 Full Speed) + Serial

Optional: USB (V2.0 Full Speed) + Serial + Ethernet

Connector Type

Power: DC-Jack or 2P Connector

USB: USB B or 4P Connector

Serial: 9P Male or 5P Connector

Environment Characteristics

Temperature

Operating: -20 ~ 60 °C (-4 ~ 140 °F)

※ Optimal printing performances and maximum reliability will be obtained between 0 and 40 °C

Storage: -20 ~ 60 °C (-4 ~ 140 °F)

Humidity

Operating: 10~95 % (non-condensing)

Storage: 10 ~ 95 % (non-condensing) excluding paper

Software

Emulation

BXL / POS

Driver / Utility

Windows Driver, OPOS Driver,

Linux / Mac CUPS Driver, Utility Program,

Network Auto Installer

SDK / Plugin

Android SDK, Windows SDK, Linux SDK

Fonts / Graphics / Symbolologies

Character Size

Font A: 12 x 24 Font B: 9 x 17 Font C: 9 x 24

KOR, CHN, JPN: 24 x 24

Characters Per Line

Print width 12 mm :

Font A: 8 Font B, C: 10, KOR, CHN, JPN: 4

Print width 48 mm :

Font A: 32 Font B, C: 42, KOR, CHN, JPN: 16

Print width 54 mm :

Font A: 36 Font B, C: 48, KOR, CHN, JPN: 18

Print width 72 mm :

Font A: 48 Font B, C: 64, KOR, CHN, JPN: 24

Character Sets

Alphanumeric: 95

Extended Graphics: 128 x 35 page

International: 32

Graphics

Supporting user-defined fonts, graphics, formats and logos

Barcode Symbolologies

1D: Coda Bar, Code 39, Code 93, Code 128, EAN-8, EAN-13, ITF, UPC-A, UPC-E

2D: Data Matrix, GS1-128, GS1 DataBar Stacked / Omnidirectional / Truncated / Limited / Expanded, PDF417, QR code

Accessories

Optional

SMPS (DC Jack), SMPS (2P Connector),

Male to Male type Serial Cable,

5P to Male type Serial Cable,

USB A-B Cable 1.8 m, Power Cord

Option**Bezel**

Non-Bezel / Standard-Bezel(4 types) /

LED-Bezel(Green)

Presenter (LED-Bezel default)

Paper Stock Direction: Upper

Media Width: 80 mm

Media Thickness: 0.05 ~ 0.10 mm

Media Length: 50 ~ 250 mm

Ejection Speed: 250 mm/s (Max)

Ticket

Media Width: 60 mm

Media Thickness: 0.05 ~ 0.15 mm

Print Speed: Up to 130 mm/s