

# BK3 Series

2-inch and 3-inch Kiosk Printer



Healthcare



Retail



Hospitality

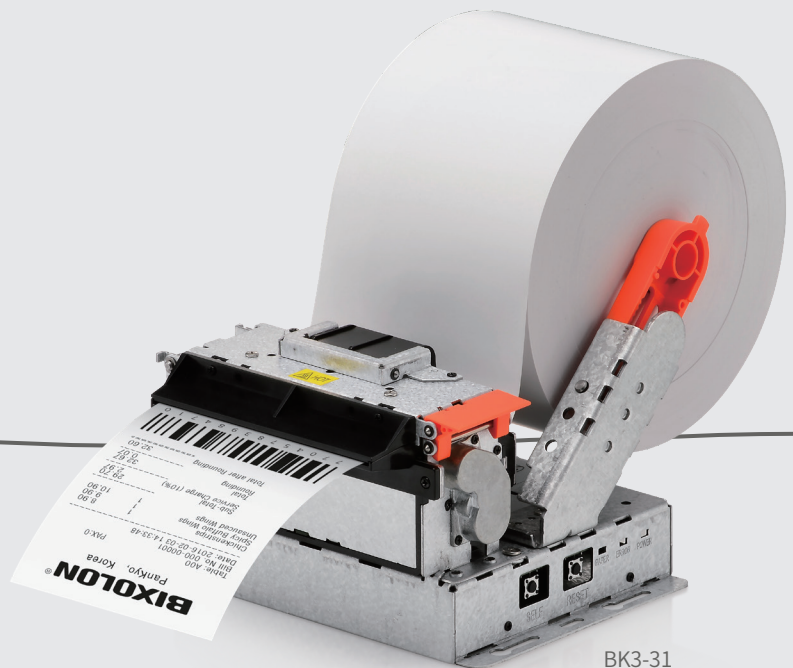


Ticketing

## Flexible and Reliable



BK3-21



BK3-31

**250**  
mm/sec

**203**  
dpi



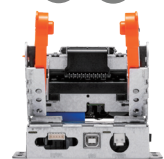
### Powerful Printing Performance

- 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 83 / 80 / 60 / 58 / 20 mm and media thickness of up to 0.12mm
- A variety of drivers and SDKs for major operating systems including Android, Windows, and Linux
- Reducing paper usage up to 25% resulting in less waste and lower CO<sub>2</sub> emission



### User-Centered Design

- Adaptable to hold media diameter of 80 / 102 / 120 mm
- The compact and lightweight design to fits 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



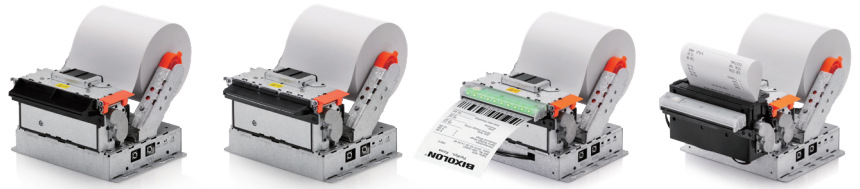
### High Flexibility

- Standard Interface: USB (V2.0 Full Speed) + Serial
- Optional Interface: USB (V2.0 Full Speed) + Serial + Ethernet (BK3-31 only)
- 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 (Available for the BK3-31 Only)

**BIXOLON**  
a Better Solution for your Business™

# BK3 Series

## 2-inch and 3-inch Kiosk Printer



### Specifications

#### Print Characteristics

**Print Method**

Direct Thermal

**Print Speed**

Up to 250 mm/s

**Print Resolution**

203 dpi

**Print Width**

BK3-31: 72 / 54 / 48 / 12 mm

BK3-21: 54 / 48 / 12 mm

**Sensor**

Paper End, Cover Open, Near End, Black Mark

#### Media Characteristics

**Media Type**

Receipt

**Media Width**

BK3-31: 83 / 80 / 60 / 58 / 20 mm

BK3-21: 60 / 58 / 20 mm

**Media Roll Diameter**

Up to 120 mm

**Media Thickness**

0.05 ~ 0.12 mm

**Supply Method**

Easy Paper Loading

#### Physical Characteristics

**Dimensions (WxLxD)**

BK3-31:

Media Roll Diameter  $\Phi$ 80: 130 x 130 x 91

Media Roll Diameter  $\Phi$ 102: 130 x 147 x 99

Media Roll Diameter  $\Phi$ 120: 130 x 143 x 105

BK3-21:

Media Roll Diameter  $\Phi$ 80: 109 x 130 x 91

Media Roll Diameter  $\Phi$ 102: 109 x 137 x 99

Media Roll Diameter  $\Phi$ 120: 109 x 144 x 105

**Weight**

BK3-31: 700 g

BK3-21: 600 g

**Electrical**

100-240V AC, 50/60Hz

**Lever Direction**

BK3-31: Left / Right

BK3-21: Right

**Mount Direction**

Horizontal / Vertical

#### 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 (BK3-31 only)

**Connector Type**

Power: DC-Jack or 2P Connector

USB: BK3-31: USB B or 4P Connector

BK3-21: USB B(Default)

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

#### Reliability

**Thermal Print Head (TPH)**

100 km

**Auto Cutter**

1.5 Million Cuts

#### Software

**Emulation**

BXL / POS

**Driver / Utility**

Windows Driver, OPOS Driver,

Linux / Mac CUPS Driver, Utility Program

**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 72 mm : Font A: 48 Font B, C: 64,  
KOR, CHN, JPN: 24 (BK3-31 only)

Print width 54 mm : Font A: 36 Font B, C: 48,  
KOR, CHN, JPN: 18

Print width 48 mm : Font A: 32 Font B, C: 42,  
KOR, CHN, JPN: 16

Print width 12 mm : Font A: 8 Font B, C: 10,  
KOR, CHN, JPN: 4

**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

#### Option

**Bezel**

Type: BK3-31: Non-Bezel /

Standard-Bezel (4 types) /

LED-Bezel(Green)

BK3-21: Non-Bezel /

Standard-Bezel (4 types)

Media Width: BK3-31: 83 / 80 / 60 / 58 / 20 mm

BK3-21: 60 / 58 / 20 mm

Media Thickness: 0.05 ~ 0.12 mm

**Presenter (BK3-31 only, LED-Bezel default)**

Paper stock direction: Upper

Media Width: 80 mm

Media Thickness: 0.05 ~ 0.10 mm

Media Length: 50 ~ 250 mm

Media Core Outer Diameter:  $\Phi$ 31.4(Min)

Ejection Speed: 250 mm/s(Max)

#### Accessories

**Optional**

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

Male to Male type Serial Cable,

5P to Male type Serial Cable,

USB A-B Cable 1.8m, Power Cord