**GAME CHANGER**
BIXOLON

Kiosk Printer Series

Meeting customer demands for Stand-alone Kiosk

Kiosk Printers

BIXOLON's portfolio of 2 and 3-inch open frame, next generation Receipt and Ticket kiosk printing mechanisms are designed for standalone self-service kiosk installations for a range of applications. These compact, low profile, highly reliable kiosk mechanisms with flexible mountings and options such as bezels and presenters are the ideal solution to create a truly unique packed kiosk system.
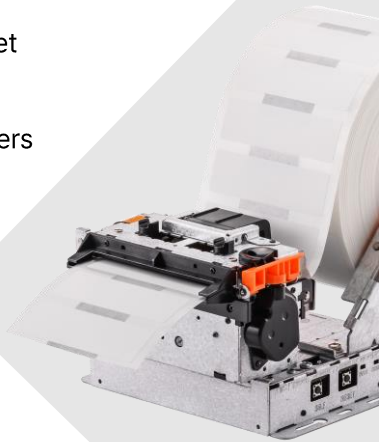
BK5-31 3-inch Kiosk Label Printer
**Highly compatible with diverse media types**

- Tickets, coupons, labels and wristbands printing
- Supports media thickness up to 0.20 mm
- Versatile media support for various applications

BK3-31 3-inch Kiosk Receipt Printer
Best choice for receipt printing

- Supporting a media roll diameter of up to 150 mm
- Options of bezel, presenter, and retractor
- Label for high-volume receipt printing
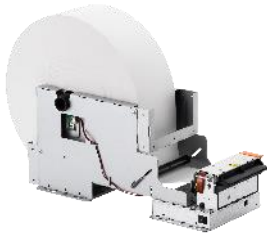
BK3-32
3-inch Kiosk Receipt Printer
With large-diameter media rolls

- Large media roll support (up to 250 mm)
- Fewer roll changes, low maintenance
- Ideal for high-traffic unattended kiosks

BK3-33
3-inch Kiosk Receipt Printers
Easy drop-in paper loading

- Easy drop-in paper loading
- Convenient media roll replacement
- Supports up to 83 mm roll diameter

BK3-34
3-inch Kiosk Receipt Printer
Eco-friendly Receipting

- Blue Paper-optimized near-end sensor
- Eco-friendly printing for sustainability
- Supports up to 150 mm roll diameter

BK3-21
2-inch Kiosk Receipt Printer
Small and reliable

- Prints tickets, receipts, and coupons
- Low-maintenance, unattended operation
- Reliable in extreme temperatures

Comparison Table

Series	Interface	Voltage	Print Speed	Supported Media	Media Alignment	Media Width	Auto Paper Cutter	Paper Roll Diameter	Emulation
BK5-31	USB V2.0 FS+ Serial	24V	Up to 150 mm/sec	Receipt/Label	Center	20/58/60/80/83 mm	Yes	130/150 mm	BXL/POS™
BK3-31	- Standard: USB V2.0 FS + Serial - Optional: USB V2.0 FS + Serial + Ethernet	24V	Up to 250 mm/sec	Receipt	Left	20/58/60/80/83 mm	Yes	80/102/120/150 mm	BXL/POS™
BK3-32								Up to 250 mm	
BK3-33								Up to 83 mm	
BK3-34								80/102/120/150 mm	
BK3-21	USB V2.0 FS+ Serial					20/58/60 mm		80/102/120 mm	

Options

Large Paper Holder   Drop-in   Presenter   Retractor   Horizontal   Vertical
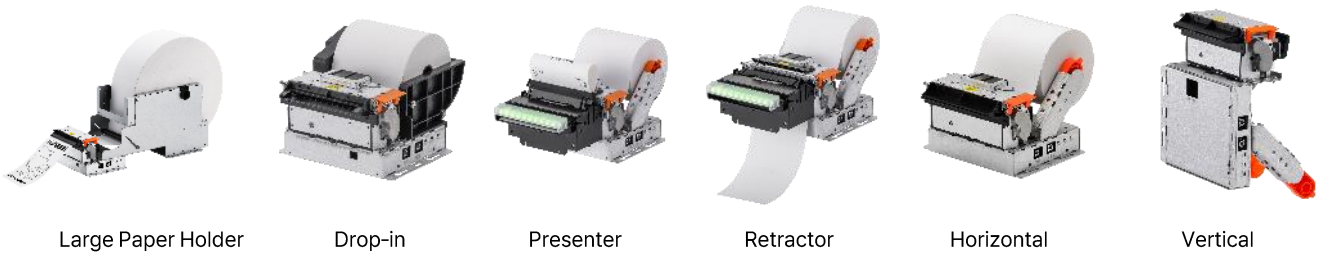
Series	Paper Holding				Type		Open-Lever Position		Mounting	
	Holder Tension	Lage Paper Holder	Drop-in	Special Holder Tension	Presenter	Retractor	Right	Left	Horizontal	Vertical
BK5-31	●					●	●		●	
BK3-31	●				●	●	●	●	●	●
BK3-32		●			●	●	●			
BK3-33			●		●	●	●			
BK3-34				●	●	●	●	●	●	●
BK3-21	●						●		●	●

Specifications

	BK5-31	
Print Characteristics		
Print Method	Direct Thermal	
Print Speed	Up to 150 mm/sec	
Print Resolution	203 dpi	
Print Width	12/48/54/72/80 mm	
Sensor	Paper End, Cover Open, Near End, Black Mark, Gap Sensor	
Media Characteristics		
Media Type	Ticket, Label (Gap, Black Mark)	
Media Width	20/58/60/80/83 mm	
Media Roll Diameter	130/150 mm	
Media Thickness	Width 80/83 mm: 0.1 to 0.15 mm Width 20/58/60 mm: 0.1 to 0.20 mm	
Supply Method	Easy Paper Loading	
Physical Characteristics		
Dimensions (W x L x H)	Φ130 130 x 181 x 123 mm	Φ150 130 x 188 x 130 mm
Weight	780 g	
Electrical	100-240 VAC, 50/60 Hz, 24V	
Lever Direction	Right	
Mount Direction	Horizontal	
Performance Characteristics		
NV Image Memory	256 Kbytes (Mono)	
Receive Buffer	64 Kbytes	
User Define Buffer	12 Kbytes	
Interface	USB V2.0 FS + Serial	

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 to 60 ℃ (-4 to 140 ℉) ※ Optimal printing performances and maximum reliability will be obtained between 0 and 40 ℃ Storage: -20 to 60 ℃ (-4 to 140 ℉)
Humidity	Operating: 10 to 95 % (non-condensing) Storage: 10 to 95 % (non-condensing) excluding paper
Software	
Emulation	BXL/POS™
Driver/Utility	Windows® Driver, OPOS Driver, Linux®/macOS® CUPS Driver, Utility Program
Developer Tools	Android SDK, Windows SDK, Linux SDK, Web Print SDK (Windows/Android)
Fonts/Graphics/Symbologies	
Character Size	Font A: 12×24 Font B: 9×17 Font C: 9×24 KOR, CHN, JPN: 24x24
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: 128×35 page International: 32
Graphics	Supporting user-defined fonts, graphics, formats and logos
Barcode Symbologies	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/Supplies	
Accessories	AC/DC Adapter (DC Jack), AC/DC Adapter (2P Connector), Male to Male type Serial Cable, 5P to Male type Serial Cable, USB A-B Cable 1.8 m, Power Cord

Options		
Bezel		Non-Bezel, Standard-Bezel (4 types)
Retractor (For ticket printing only)	Paper Stock Direction	Upper
	Media Width	58/60/80 mm
	Media Thickness	0.10 to 0.15 mm
	Media Length	70 to 350 mm
	Ejection & Retractor Speed	Eject: Up to 150 mm/sec Retractor: Up to 500 mm/sec
	Basic Movement	Retraction, Continuous

Specifications

	BK3-31 Series				BK3-21			
Print Characteristics								
Print Method	Direct Thermal				Direct Thermal			
Print Speed	Up to 250 mm/sec				Up to 250 mm/sec			
Print Resolution	203 dpi				203 dpi			
Print Width	12/48/54/72 mm				12/48/54 mm			
Sensor	Paper End, Cover Open, Near End, Black Mark				Paper End, Cover Open, Near End, Black Mark			
Media Characteristics								
Media Type	Receipt				Receipt			
Media Width	20/58/60/80/83 mm				20/58/60 mm			
Media Roll Diameter	BK3-31/34: 80/102/120/150 mm BK3-32: Up to 250 mm BK3-33: Up to 83 mm				80/102/120 mm			
Media Thickness	0.05 to 0.12 mm				0.05 to 0.12 mm			
Supply Method	Easy Paper Loading				Easy Paper Loading			
Physical Characteristics								
Dimensions (W x L x H)	BK3-31/34				BK3-21			
	Φ80	Φ102	Φ120	Φ150	Φ80	Φ102	Φ120	
	130 x 130 x 91 mm	130 x 137 x 99 mm	130 x 144 x 105 mm	130 x 160 x 105 mm	109 x 130 x 91 mm	109 x 137 x 99 mm	109 x 144 x 105 mm	
	BK3-31/34 (Vertical)				BK3-21 (Vertical)			
	Φ80	Φ102	Φ120	Φ150	Φ80	Φ102	Φ120	
	130 x 159 x 91 mm	130 x 167 x 99 mm	130 x 173 x 105 mm	130 x 189 x 105 mm	109 x 160 x 91 mm	109 x 167 x 99 mm	109 x 173 x 105 mm	
	BK3-32 Φ250: 130 x 339 x 145 mm BK3-33 Φ83: 130 x 137 x 96 mm							
Weight	BK3-31/33/ 34: 700 g BK3-32: 1,470 g				600 g			
Electrical	100-240 VAC, 50/60 Hz, 24V				100-240 VAC, 50/60 Hz, 24V			
Lever Direction	Left, Right				Right			
Mount Direction	BK3-31/34: Horizontal/Vertical BK3-32/33: Horizontal				Horizontal/Vertical			
Performance Characteristics								
NV Image Memory	256 Kbytes (Mono)				256 Kbytes (Mono)			
Receive Buffer	64 Kbytes				64 Kbytes			
User Define Buffer	12 Kbytes				12 Kbytes			
Interface	Standard: USB V2.0 FS + Serial Optional: USB V2.0 FS + Serial + Ethernet				USB V2.0 FS+ Serial			
Connector Type — Power	DC-Jack or 2P Connector				DC-Jack or 2P Connector			
Connector Type — USB	USB B or 4P Connector				USB B type (Default)			
Connector Type — Serial	9P Male or 5P Connector				9P Male or 5P Connector			
Environment Characteristics								
Temperature	Operating: -20 to 60 °C (-4 to 140 °F) ※ Optimal printing performances and maximum reliability will be obtained between 0 and 40 °C Storage: -20 to 60 °C (-4 to 140 °F)				Operating: -20 to 60 °C (-4 to 140 °F) ※ Optimal printing performances and maximum reliability will be obtained between 0 and 40 °C Storage: -20 to 60 °C (-4 to 140 °F)			
Humidity	Operating: 10 to 95 % (non-condensing) Storage: 10 to 95 % (non-condensing) excluding paper				Operating: 10 to 95 % (non-condensing) Storage: 10 to 95 % (non-condensing) excluding paper			
Software								
Emulation	BXL/POS™				BXL/POS™			
Driver/Utility	Windows Driver®, OPOS Driver, Linux®/macOS® CUPS Driver, Utility Program, Network Auto Installer				Windows Driver®, OPOS Driver, Linux®/macOS® CUPS Driver, Utility Program, Network Auto Installer			
Developer Tools	Android™ SDK, Windows SDK, Linux SDK				Android™ SDK, Windows SDK, Linux SDK			
Fonts/Graphics/Symbologies								
Character Size	Font A: 12×24 Font B: 9×17 Font C: 9×24, KOR, CHN, JPN: 24x24				Font A: 12×24 Font B: 9×17 Font C: 9×24, KOR, CHN, JPN: 24x24			
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				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			
Character Sets	Alphanumeric: 95 Extended Graphics: 128×35 page International: 32				Alphanumeric: 95 Extended Graphics: 128×35 page International: 32			
Graphics	Supporting user-defined fonts, graphics, formats and logos				Supporting user-defined fonts, graphics, formats and logos			
Barcode Symbologies	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				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/Supplies								
Accessories	AC/DC Adapter (DC Jack), AC/DC Adapter (2P Connector), Male to Male type Serial Cable, 5P to Male type Serial Cable USB A-B Cable 1.8 m, Power Cord				AC/DC Adapter (DC Jack), AC/DC Adapter (2P Connector), Male to Male type Serial Cable, 5P to Male type Serial Cable, USB A-B Cable 1.8 m, Power Cord			
Options								
Bezel		Non-Bezel, Standard-Bezel (4 types), LED-Bezel (Green)			Non-Bezel, Standard-Bezel (4 types)			
Presenter (LED-Bezel default) — Paper Stock Direction		Upper						
Presenter — Media Width		80 mm						
Presenter — Media Thickness		0.05 to 0.10 mm						
Presenter — Media Length		50 to 250 mm						
Presenter — Ejection Speed		Up to 250 mm/sec						
Retractor — Paper Stock Direction		Upper						
Retractor — Media Width		58/80 mm						
Retractor — Media Thickness		0.05 to 0.10 mm						
Retractor — Media Length		70 to 350 mm						
Retractor — Ejection & Retractor Speed		Up to 500 mm/sec						
Retractor — Basic Movement		Clamp, Retraction, Continuous						
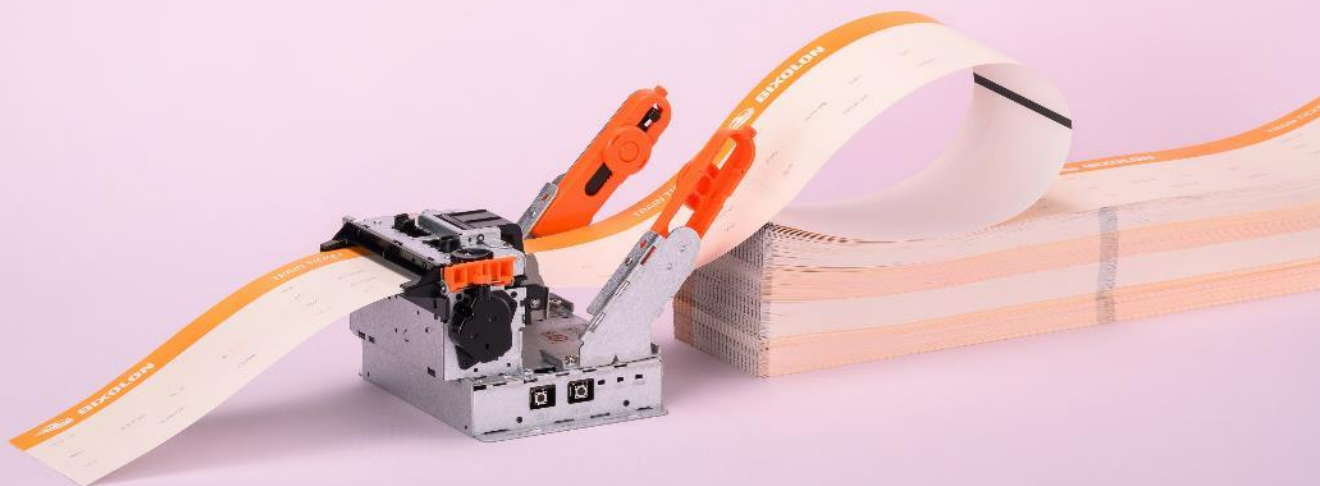
Product and Services Portfolio

Applications	BK5-31	BK3-31	BK3-32	BK3-33	BK3-34	BK3-21
Retail						
Self Service and Kiosk	●	●	●	●	●	●
Gas Station Receipting		●	●	●		●
Food & Hospitality						
Customer Self Service		●	●	●	●	●
Casino Voucher	●					
T&L						
Transportation Ticketing	●	●	●	●		
Labelling at Pack station	●					
Government						
Parking Management	●	●	●	●		●
Queue Management	●	●				●

July 2025