

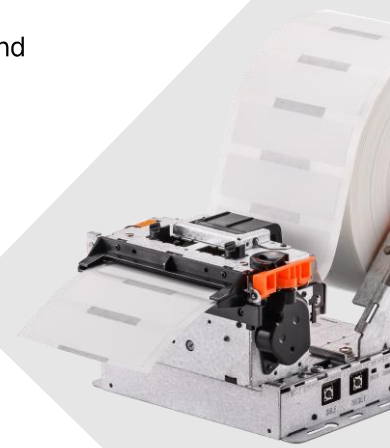
# Kiosk Printer Series

Meeting Customer Demands for Standalone Kiosks



# Kiosk Printers

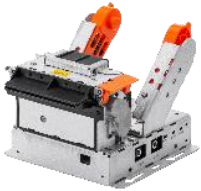
BIXOLON's portfolio of 2 and 4-inch open frame, next generation Receipt, Label and Ticket kiosk printing mechanisms are designed for standalone self-service kiosk installations for a range of applications. These compact, low profile, highly reliable kiosk mechanisms with flexible mountings and options such as bezels and presenters are the ideal solution to create a truly unique packed kiosk system.



## BK3-21

### 2-inch Kiosk Receipt Printer

#### Small and reliable



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

## 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 support for 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

## BK5-31

### 3-inch Kiosk Label Printer

#### Highly compatible with diverse media types

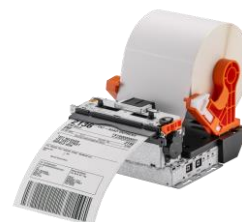


- Tickets, coupons, labels and wristbands printing
- Supports media thickness up to 0.20 mm
- Versatile media support for various applications

## BK5-41

### 4-inch Kiosk Label Printer

#### Flexible performance for multiple uses



- Tickets, coupons, labels and wristbands printing
- Supports media thickness up to 0.15 mm
- Versatile media support for various applications



# Specifications

		BK3-21	BK3-31 Series
<b>Print Characteristics</b>			
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 mm	12/48/54/72 mm
Sensor		Paper End, Cover Open, Near End, Black Mark	Paper End, Cover Open, Near End, Black Mark
<b>Media Characteristics</b>			
Media Type		Receipt	Receipt
Media Width		20/58/60 mm	20/58/60/80/83 mm
Media Roll Diameter		80/102/120 mm	BK3-31,34: 80/102/120/150 mm BK3-32: Up to 250 mm BK3-33: Up to 83 mm
Media Thickness		0.05 to 0.12 mm	0.05 to 0.12 mm
Supply Method		Easy Paper Loading	Easy Paper Loading
<b>Physical Characteristics</b>			
Dimensions (W x L x H)		BK3-21 Φ80	BK3-31/34 Φ80
		Φ102	Φ102
		Φ120	Φ120
		Φ150	Φ150
		109 x 130 x 91 mm	109 x 137 x 99 mm
		109 x 144 x 105 mm	130 x 130 x 91 mm
Dimensions (W x L x H)		BK3-21 (Vertical) Φ80	BK3-31/34 (Vertical) Φ80
		Φ102	Φ102
		Φ120	Φ120
		Φ150	Φ150
		109 x 160 x 91 mm	109 x 160 x 91 mm
		109 x 167 x 99 mm	130 x 137 x 99 mm
Weight		600 g	BK3-32 Φ250: 130 x 339 x 145 mm BK3-33 Φ83: 130 x 137 x 96 mm
			BK3-31,33,34: 700 g
			BK3-32: 1,470 g
			100-240 VAC, 50/60 Hz, 24V
			100-240 VAC, 50/60 Hz, 24V
			Right
Mount Direction		Horizontal/Vertical	Left, Right
			BK3-31,34: Horizontal/Vertical BK3-32,33: Horizontal
<b>Performance Characteristics</b>			
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	Standard: USB V2.0 FS + Serial Optional: USB V2.0 FS + Serial + Ethernet
Connector Type	Power	DC-Jack or 2P Connector	DC-Jack or 2P Connector
	USB	USB B or 4P Connector	USB B or 4P Connector
	Serial	9P Male or 5P Connector	9P Male or 5P Connector
<b>Environment Characteristics</b>			
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
<b>Software</b>			
Emulation		BXL/POS™	BXL/POS™
Driver/Utility		Windows Driver®, OPOS Driver, Linux®/macOS® CUPS Driver, Utility Program, Network Auto Installer	Windows Driver®, OPOS/JPOS Driver, Linux®/macOS® CUPS Driver, Utility Program, Network Auto Installer
Developer Tools		Android™ SDK, Windows SDK, Linux SDK	Android™ SDK, Windows SDK, Linux SDK
<b>Fonts/Graphics/Symbologies</b>			
Character Size		Font A: 12x24 Font B: 9x17 Font C: 9x24, KOR, CHN, JPN: 24x24	Font A: 12x24 Font B: 9x17 Font C: 9x24 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 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: 128x35 page International: 32	Alphanumeric: 95 Extended Graphics: 128x35 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
<b>Accessories/Supplies</b>			
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
<b>Options</b>			
Bezel		Non-Bezel, Standard-Bezel (4 types), LED-Bezel (Green)	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 to 0.10 mm
	Media Length	-	50 to 250 mm
	Ejection Speed	-	Up to 250 mm/sec
Retractor	Paper Stock Direction	-	Upper
	Media Width	-	58/80 mm
	Media Thickness	-	0.05 to 0.10 mm
	Media Length	-	70 to 350 mm
	Ejection & Retractor Speed	-	Up to 500 mm/sec
	Basic Movement	-	Clamp, Retraction, Continuous

# Specifications

		BK5-31	BK5-41
<b>Print Characteristics</b>			
Print Method	Direct Thermal		Direct Thermal
Print Speed	Up to 150 mm/sec		Up to 150 mm/sec
Print Resolution	203 dpi		203 dpi
Print Width	12/48/54/72/80 mm		12/48/54/72/80/104/108 mm
Sensor	Paper End, Cover Open, Near End, Black Mark, Gap Sensor		Paper End, Cover Open, Black Mark, Gap Sensor
<b>Media Characteristics</b>			
Media Type	Ticket, Label (Gap, Black Mark)		Ticket, Label (Gap, Black Mark)
Media Width	20/58/60/80/83 mm		20/58/60/80/83/108/118 mm
Media Roll Diameter	130/150 mm		130 mm
Media Thickness	Width 80/83 mm: 0.1 to 0.15 mm Width 20/58/60 mm: 0.1 to 0.20 mm		0.1 to 0.15 mm
Supply Method	Easy Paper Loading		Easy Paper Loading
<b>Physical Characteristics</b>			
Dimensions (W x L x H)	BK3-31/34 Φ130 130 x 181 x 123 mm		Φ150 130 x 188 x 130 mm
Weight	780 g		900g
Electrical	100-240 VAC, 50/60 Hz, 24V		100-240 VAC, 50/60 Hz, 24V
Lever Direction	Right		Right
Mount Direction	Horizontal		Horizontal
<b>Performance Characteristics</b>			
NV Image Memory	256 Kbytes (Mono)		256 Kbytes (Mono)
Receive Buffer	64 Kbytes		64 Kbytes
User Define Buffer	12 Kbytes		12 Kbytes
Interface	USB V2.0 FS + Serial		USB V2.0 FS+ Serial
Connector Type	Power	DC-Jack or 2P Connector	DC-Jack
	USB	USB B type or 4P Connector	USB B type
	Serial	9P Male or 5P Connector	9P Male
<b>Environment Characteristics</b>			
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: 0 to 40°C (32 to 104°F) 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 80 % (non-condensing) Storage: 10 to 95 % (non-condensing) excluding paper
<b>Software</b>			
Emulation	BXL/POS™		BXL/POS™
Driver/Utility	Windows® Driver, OPOS/JPOS Driver, Linux®/macOS® CUPS Driver, Utility Program		Windows® Driver, OPOS/JPOS Driver, Linux®/macOS® CUPS Driver, Utility Program
Developer Tools	Android™ SDK, Windows SDK, Linux SDK, Web Print SDK (Windows/Android)		Android™ SDK, Windows SDK, Linux SDK, Web Print SDK (Windows/Android)
<b>Fonts/Graphics/Symbologies</b>			
Character Size	Font A: 12x24 Font B: 9x17 Font C: 9x24 KOR, CHN, JPN: 24x24		Font A: 12x24 Font B: 9x17 Font C: 9x24 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 Print width 72 mm: Font A: 48 Font B, C: 64, KOR, CHN, JPN: 24 Print width 80 mm: Font A: 53 Font B, C: 71, KOR, CHN, JPN: 26 Print width 104 mm: Font A: 69 Font B, C: 92, KOR, CHN, JPN: 34 Print width 108 mm: Font A: 72 Font B, C: 96, KOR, CHN, JPN: 36
Character Sets	Alphanumeric: 95 Extended Graphics: 128x35 page International: 32		Alphanumeric: 95 Extended Graphics: 128x35 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
<b>Accessories/Supplies</b>			
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), Male to Male type Serial Cable, USB A-B Cable 1.8 m, Power Cord
<b>Options</b>			
Bezel	Non-Bezel / Standard-Bezel (4 types)		-
Retractor (BK5-31: 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	-



## Product and Services Portfolio

Applications	BK3-21	BK3-31	BK3-32	BK3-33	BK3-34	BK5-31	BK5-41
<b>Retail</b>							
Self Service and Kiosk	●	●	●	●	●	●	●
Gas Station Receipting	●	●	●	●			
<b>Food &amp; Hospitality</b>							
Customer Self Service	●	●	●	●	●		
Casino Voucher						●	●
<b>T&amp;L</b>							
Transportation Ticketing		●	●	●		●	●
Labelling at Pack station						●	●
<b>Government</b>							
Parking Management	●	●	●	●		●	●
Queue Management	●	●				●	●

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