

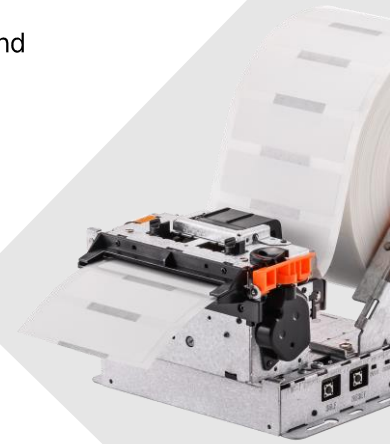
Kiosk Printer Series

Meeting Customer Demands for Standalone Kiosks



Kiosk Printers

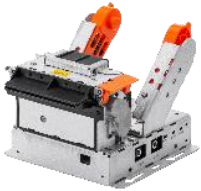
BIXOLON's portfolio of 2 and 4-inch open frame, next generation Receipt, Label and Ticket kiosk printing mechanisms are designed for standalone self-service kiosk installations for a range of applications. These compact, low profile, highly reliable kiosk mechanisms with flexible mountings and options 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

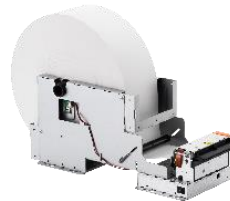


- Supporting a media roll diameter of up to 150 mm
- Options of bezel, presenter, and retractor
- Label for high-volume receipt printing

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

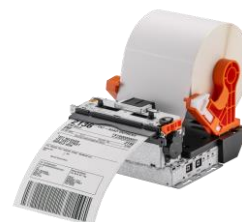


- Tickets, coupons, labels and wristbands printing
- Supports media thickness up to 0.20 mm
- Versatile media support for various applications

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				
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 mm		12/48/54/72 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 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				
Physical Characteristics							
Dimensions (W x L x H)	BK3-21		BK3-31/34				
	Φ80	Φ102	Φ120	Φ80	Φ102	Φ120	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	130 x 137 x 99 mm	130 x 144 x 105 mm	130 x 160 x 105 mm
	BK3-21 (Vertical)		BK3-31/34 (Vertical)				
Weight	Φ80	Φ102	Φ120	Φ80	Φ102	Φ120	Φ150
	109 x 160 x 91 mm	109 x 167 x 99 mm	109 x 173 x 105 mm	109 x 160 x 91 mm	130 x 167 x 99 mm	130 x 173 x 105 mm	130 x 189 x 105 mm
	-		BK3-32 Φ250: 130 x 339 x 145 mm BK3-33 Φ83: 130 x 137 x 96 mm				
Electrical	100-240 VAC, 50/60 Hz, 24V		100-240 VAC, 50/60 Hz, 24V				
Lever Direction	Right		Left, Right				
Mount Direction	Horizontal/Vertical		BK3-31,34: Horizontal/Vertical BK3-32,33: Horizontal				
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		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			
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/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				
Fonts/Graphics/Symbologies							
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				
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) / 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
Print Characteristics			
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
Media Characteristics			
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
Physical Characteristics			
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
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		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
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: 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
Software			
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)
Fonts/Graphics/Symbologies			
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
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), Male to Male type Serial Cable, USB A-B Cable 1.8 m, Power Cord
Options			
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
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	●	●				●	●



BARCODE
FACTORY

Barcode Factory

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