brother
at your side

Rugged mobile receipt & label printer range

RJ Series
mobile printers

www.brother.eu

RJ Series

Empower workers to create and amend labels at any location

Brother provide a comprehensive range of RJ mobile printers. They feature impressive print speeds and a rugged build quality to fit the requirements of a wide range of vertical market applications. Bluetooth, Wi-Fi & USB connectivity options make it possible for busy mobile workers to print on site or in the field.

RJ Series mobile printers

Rugged design

Due to the nature of many mobile applications, printers may be exposed to a range of outdoor conditions which can affect the print operation or cause damage, e.g. a traffic warden printing in the field. However, all RJ printers are tested against IP54 protection standards, offering that extra peace of mind for such outdoor applications subject to damp / moisture or indoor environments where dust is present. In addition, the RJ range is drop tested up to 2.5 metres to provide extra credibility in terms of toughness and reliability.

RJ Series

Up to 2 inch

| RJ-2035B | RJ-2055WB | RJ-2030 | RJ-2050 | RJ-2140 | RJ-2150 |

Up to 3 inch

| RJ-3035B | RJ-3055WB | RJ-3230BL | RJ-3250WBL |

Up to 4 inch

| RJ-4230B | RJ-4250WB |

Trust RJ Series mobile printers to take on every application

Retail

Increase efficiency for retailers with lightweight, durable and easy to use mobile printers. This provides staff with a simple and accurate labelling and receipt solution, perfect for pricing, promotions and queue-busting to increase customer satisfaction.

Direct Store Deliveries

Delivery drivers need to be equipped with a seamless solution to help streamline their workflow and minimise downtime. Mobility and integration is key, so drivers have access to systems providing pricing, invoicing, inventory control, and customer information. This makes it easier to produce invoices on-site.

Field Service

Whether you need receipts or smaller format labels, without a mobile print solution, handwritten documents are time consuming and prone to error. That's why most businesses are empowering their workforce with mobile technology, meaning they complete tasks on the move, professionally and on schedule.

Applications include:

- **Shelf edge labels**
- **'Queue busting' receipt printing**
- **Mark down or discount labels**
- **Price labels**
- **Food traceability labelling**
- **Click and collect labels**

Applications include:

- **Sales orders and confirmations**
- **Returned goods receipts and labels**
- **Customer receipts**
- **Delivery receipts**

Applications include:

- **Receipts and invoices**
- **Repair estimates**
- **Statements of work**
- **Work orders**
- **Estimates and quotations**
- **Maintenance and service reports**

Public Safety

Increase operational efficiency by allowing law enforcement officers and emergency staff to document and report incidents more accurately and efficiently, at the point of interaction. With their durable design, fast print speed & reliable operation, the range offers a competitive combination of performance and features.
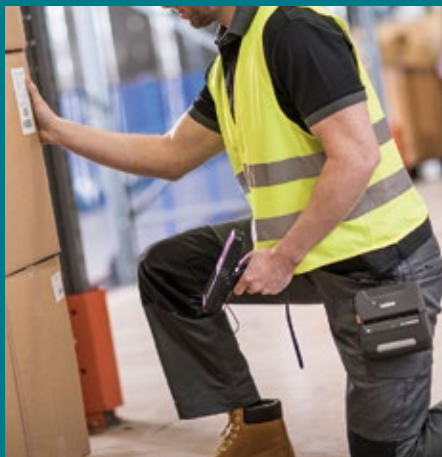
Warehousing

Efficient warehousing operations and worker productivity are critical to the success of many companies. Using wireless connectivity, the Brother RJ mobile printer range provides workers with the ability to print barcode labels on-demand, at the point of application. This saves time and reduces potential errors caused by mislabelling.

Applications include:

- **Parking violations**
- **Recording of accidents and crime scenes**
- **Electronic citations and fines**
- **Warning Notices**

Applications include:

- **Work-in-progress labels**
- **Bin and shelf labels**
- **Shipping and despatch labels**
- **Inventory pick and return tickets**

RJ series range brief summary

	RJ-2035B	RJ-2055WB	RJ-2030	RJ-2050	RJ-2140	RJ-2150
			2 Inch			

Printing

Print technology	Direct thermal					
Print speed	101.6mm/sec		152mm/sec			
Resolution	203dpi					
Max print width	48mm (receipt)		54mm (receipt)		54mm (receipt) 51mm (label)	

Media Types

	RJ-2035B	RJ-2055WB	RJ-2030	RJ-2050	RJ-2140	RJ-2150
Receipt	●	●	●	●	●	●
Labels					●	●

Connectivity

	RJ-2035B	RJ-2055WB	RJ-2030	RJ-2050	RJ-2140	RJ-2150
USB	●	●	●	●	●	●
Wireless LAN		●		●	●	●
Bluetooth	●	●	●	●		●
AirPrint				●	●	●
MFi	●			●		●

General

	RJ-2035B	RJ-2055WB	RJ-2030	RJ-2050	RJ-2140	RJ-2150
IP rating	IP42 (IP54 with optional case)		IP54			
Drop protection (metres)	1.8 (2.5 with optional case)		2.5			
Weight (with battery)	215g		465g		545g	
Dimensions (mm)	79(w) 36.5(h) 116(d)		122(w) 57(h) 100(d)		151(w) 73(h) 100(d)	
Operating system support	Microsoft® Windows® 7 Windows® 8.1 Windows® 10 Windows® Server 2012, 2012 R2, 2016, 2019 Linux Mac OS v10.11-10.15		Microsoft® Windows® 7 Windows® 8 Windows® 8.1 Windows® 10		Microsoft® Windows® 7 Windows® 8 Windows® 8.1 Windows® 10 Windows® Server 2008, 2008 R2, 2012, 2012 R2, 2016, 2019	
Mobile OS	Android / iOS		Android		Android / iOS	
Supported commands	FBPL-EZC (EPL2/ZPL2/CPCL) FBPL-EZP (EPL2/ZPL2/ESC-POS) - download		P-touch Template, ESC/P, Raster, ZPL II emulation, CPCL emulation			

RJ Series

RJ series range brief summary

	RJ-3035B	RJ-3055WB	RJ-3230BL	RJ-3250WBL	RJ-4230B	RJ-4250WB
			3 Inch		**4 Inch**	

Printing

Print technology	Direct thermal				Direct thermal	
Print speed	101.6mm/sec		127mm/sec		127mm/sec	
Resolution	203dpi				203dpi	
Max print width	72mm				104mm	

Media Types

Receipt	●	●	●	●	●	●
Labels		●	●	●	●	●

Connectivity

USB	●	●	●	●	●	●
Wireless LAN		●		●		●
Bluetooth	●	●	●	●	●	●
AirPrint				●		●
MFi	●		●	●	●	●

General

IP rating	IP42 (IP54 with optional case)		IP54		IP54	
Drop protection (metres)	1.8 (2.5 with optional case)		2.0		2.1	
Weight (with battery)	375g	375g	807g	807g	850g	
Dimensions (mm)	105(w) 49.5(h) 116(d)	105(w) 49.5(h) 116(d)	117w) 77(h) 180(d)	117(w) 77(h) 180(d)	153(w) 68(h) 159(d)	
Operating system support	Microsoft® Windows® 7 Windows® 8.1 Windows® 10 Windows® Server 2012, 2012 R2, 2016, 2019 Linux Mac OS v10.11-10.15		Microsoft® Windows® 7, 8.1, 10 Windows® Server 2012, 2012 R2, 2016, 2019		Microsoft® Windows® 7 Windows® 8 Windows® 8.1 Windows® 10 RJ-4250WB also supports: Microsoft® Windows Server® 2008 2008 R2 / 2012 / 2012 R2 / 2016	
Mobile OS	Android / iOS				Android / iOS	
Supported commands	FBPL-EZC (EPL2/ZPL2/CPCL) FBPL-EZP (EPL2/ZPL2/ESC-POS) - downloadable		P-touch Template, ESC/P, Raster, ZPL II emulation, CPCL emulation		P-touch Template, ESC/P, Raster, ZPL II emulation, CPCL emulation	

Customise your RJ printer with the great range of accessories

Accessories and print supplies

Brother has designed and engineered a wide range of accessories to help customise the solution, whatever your requirement. Brother accessories help workers to equip their device in-vehicle and on-body. Power options also help with increased battery demands.

Power Options

PA-BT-003

Li-ion rechargeable Battery

RJ-2030 | RJ-2050
RJ-2140 | RJ-2150

PA-BT-006

Rechargeable Li-ion smart Battery

RJ-3230BL | RJ-3250WBL
RJ-4230B | RJ-4250WB

PA-BT-008

Li-ion rechargeable battery (Standard)

RJ-2035B | RJ-2055WB

PA-BT-009

Li-ion rechargeable battery (Standard)

RJ-3035B | RJ-3055WB

PA-BT-010

Li-ion rechargeable battery (Smart)

RJ-3035B | RJ-3055WB

PA-AD-600AUK

AC Adapter (UK)

RJ-2030 | RJ-2050
RJ-2140 | RJ-2150
RJ-3230BL | RJ-3250WBL
RJ-4230B | RJ-4250WB

PA-AD-600AEU

AC Adapter (EU)

RJ-2030 | RJ-2050
RJ-2140 | RJ-2150
RJ-3230BL | RJ-3250WBL
RJ-4230B | RJ-4250WB

PA-CD-600CG

Car Adaptor (cigarette)

RJ-2030 | RJ-2050
RJ-2140 | RJ-2150
RJ-3230BL | RJ-3250WBL
RJ-4230B | RJ-4250WB

PA-CD-600WR

Car Adapter (wired)

RJ-2030 | RJ-2050
RJ-2140 | RJ-2150
RJ-3230BL | RJ-3250WBL
RJ-4230B | RJ-4250WB

PA-BEK-001WR

Battery Eliminator Kit Wired Type

RJ-3230BL | RJ-3250WBL
RJ-4230B | RJ-4250WB

PA-BEK-001CG

Battery Eliminator Kit Cigarette Socket Type

RJ-3230BL | RJ-3250WBL
RJ-4230B | RJ-4250WB

PA-CD-001CG

12-24V DC automobile cigarette lighter

RJ-2035B | RJ-3035B
RJ-2055WB
RJ-3055WB

Accessories

PA-BC-002
Battery Charging Unit (single)

RJ-2030 | RJ-2050
RJ-2140 | RJ-2150

PA-BC-003
Battery Charging Unit (single)

RJ-3230BL | RJ-3250WBL
RJ-4230B | RJ-4250WB

PA-CR-005**
1-slot charging cradle with Ethernet

RJ-3230BL | RJ-3250WBL

PA-CR-002A**
Car Mount/ Charging Cradle

RJ-4230B | RJ-4250WB

PA-SS-4000
Shoulder Strap

RJ-2030 | RJ-2050
RJ-2140 | RJ-2150
RJ-3230BL | RJ-3250WBL
RJ-4230B | RJ-4250WB

PA-CC-002
IP54 protective case with shoulder strap

RJ-2035B
RJ-2055WB

PA-CC-003
IP54 protective case with shoulder strap

RJ-3035B
RJ-3055WB

PA-BC-005 (EU)
PA-BC-005 (UK)
1-slot battery charger

RJ-3035B
RJ-3055WB

PA-4BC-001 (EU)
PA-4BC-001 (UK)
4-slot battery charger

RJ-2035B
RJ-2055WB

PA-4BC-002 (EU)
PA-4BC-002 (UK)
4-slot battery charger

RJ-3035B
RJ-3055WB

PA-CR-003
1-slot docking cradle

RJ-2035B
RJ-2055WB

PA-CR-004
1-slot docking cradle

RJ-3035B
RJ-3055WB

PA-4CR-001
4-slot docking cradle

RJ-2035B
RJ-2055WB

PA-4CR-002
4-slot docking cradle

RJ-3035B
RJ-3055WB

PA-4CR-003**
4-slot charging cradle with Ethernet

RJ-3230BL
RJ-3250WBL

PA-LPR-001
Linerless Platen Roller

RJ-4230B
RJ-4250WB

PA-LPR-002*
Linerless platen roller

RJ-2035B
RJ-2055WB

PA-LPR-003*
Linerless platen roller

RJ-3035B
RJ-3055WB

PA-LPR-004
Linerless platen roller

RJ-3230BL
RJ-3250WBL

PA-LP-007
Peeler

RJ-3230BL
RJ-3250WBL

PA-SS-001
Shoulder strap with adaptor

RJ-2035B
RJ-2055WB
RJ-3035B
RJ-3055WB

PA-RS-001
Roll spacer

RJ-2035B
RJ-2055WB

PA-RS-002
Roll spacer

RJ-3035B
RJ-3055WB

PA-RH-002
Roll holder

RJ-3035B
RJ-3055WB

* Dealer installation only   ** Requires purchase of PA-AD-600A

Media Options

BDL-7J000058-040

Continuous Receipt Roll

RJ-2030 | RJ-2050
RJ-2140 | RJ-2150
RJ-3230BL | RJ-3250WBL
RJ-4230B | RJ-4250WB

Roll Size:
58mm x 13.8m
Colour: white

BDL-7J000076-066

Continuous Receipt Roll

RJ-3230BL | RJ-3250WBL

Roll Size:
76mm x 42m
Colour: white

BDL-7J000102-058

Continuous Receipt Roll

RJ-4230B | RJ-4250WB

Roll size:
101.6mm x 32.2m
Colour: white

BDE-1J026051-060

Die Cut Labels Roll

RJ-2140 | RJ-2150

Label size:
51mm x 26mm
Colour: white
Quantity: 500

BDE-1J044076-066

Die-cut Labels Roll

RJ-3230BL | RJ-3250WBL

Label Size:
76mm x 44m
Colour: white
Quantity: 400

BDE-1J152102-058

Die-cut Labels Roll

RJ-4230B | RJ-4250WB

Label Size:
102mm x 152mm
Colour: white
Quantity: 85

BDE-1J000057-030

Continuous Receipt Roll

RJ-2035B | RJ-2055WB

Roll Size:
57mm x 6.6m
Colour: white

BDE-1J000079-040

Continuous Receipt Roll

RJ-3035B | RJ-3055WB

Roll Size:
79mm x 14m
Colour: white

BDE-1J044076-040

Die Cut Labels Roll

RJ-3055WB

Label size:
76mm x 44mm
Colour: white
Quantity: 70 per roll

Brother provides all the necessary tools required for software developers to integrate printing into their mobile applications. Printer drivers are available for Windows OS, and Software Development Kits can be provided to support Windows Mobile*, Android and iOS operating systems.

Software Support Features

Template mode

Design the required document on your Windows PC, including logos and barcodes. Once transferred and stored in the printer's memory, the template can be recalled and any data replaced, before printing with just a few short commands.

AirPrint* and MFi* support

Easily connect to, and print from Apple devices thanks to AirPrint and MFi support.

*Check model compatibility

Mobile Deploy*

Cloud-based app for mobile devices (iOS and Android™), which allows IT administrators to remotely update and configure multiple Brother mobile printers. Using Mobile Deploy, the administrator can easily upload new update packages to an online location, and then share the URLs with the users.

Printer Commands*

With support for ZPL II emulation, CPCL emulation in addition to ESC-POS commands, developers can easily integrate mobile printing into existing legacy systems.

https://support.brother.com/g/s/es/dev/en/index.html

* Check model compatibility

Helping keep your workforce agile when printing on the move

RJ series range
2 inch

	RJ-2035B	RJ-2055WB	RJ-2030	RJ-2050	RJ-2140	RJ-2150
			2 Inch			

Printing / Media

	RJ-2035B	RJ-2055WB	RJ-2030	RJ-2050	RJ-2140	RJ-2150
Print technology	Direct thermal					
Print resolution	203dpi					
Print speed	Maximum 4ips (101.6mm/sec)		Maximum 6ips (152mm/sec)*			
Maximum print width on receipt	48mm		54mm			
Maximum print length	2794mm		1000mm			
Media sensor type	Reflective				Transmissive / Reflective	
Cutter type	Tear bar					
Media types	Receipt		Receipt, label**		Receipt, label, tag label	
Receipt width	58mm max					
Receipt paper thickness	2.3-3.5 mils (0.058-0.090mm)					
Label width	–				55mm	
Label thickness	–				3.1-6.7 mils (0.080-0.170mm)	
Roll diameter	30mm max		40mm max		60mm max	
Core diameter (min)	–		10.2mm			

LCD

	RJ-2035B	RJ-2055WB	RJ-2030	RJ-2050	RJ-2140	RJ-2150
Type	–		Backlit monochrome LCD			

Connectivity

	RJ-2035B	RJ-2055WB	RJ-2030	RJ-2050	RJ-2140	RJ-2150
USB	USB v2.0 (Micro-USB connector)		USB v2.0 full-speed (mini-B connector)			
Bluetooth	v5.0	v4.2	v2.1+EDR			
Bluetooth profiles	SPP (Serial Port Profile), GATT (Low Energy) / iAP supported	SPP (Serial Port Profile) GATT (Low Energy)	SPP (Serial Port Profile) OPP (Object Push Profile) BIP (Basic Imaging Profile) HCRP (Hard Copy Cable Replacement Profile)		SPP (Serial Port Profile) OPP (Object Push Profile) BIP (Basic Imaging Profile) HCRP (Hard Copy Cable Replacement Profile) iAP supported	
MFi support	Yes	–	–	Yes	–	Yes
Wireless LAN	–	Wireless LAN IEEE802.11a/b/g/n	–	IEEE802.11b/g/n Infrastructure mode: [b/g/n] Adhoc mode: [b/g/n] Wireless direct mode: [g/n]		
Wireless LAN security (AdHoc mode)	–	–	–	None / WEP		
Wireless LAN security (Infrastructure mode)	–	Open system (None/WEP64/WEP128) Common key authentication (WEP) WPA/WPA2-PSK (TKIP+AES) EAP-FAST (TKIP/AES) PEAP (TKIP/AES) *3 EAP-TLS (TKIP/AES) EAP-TTLS (TKIP/AES) Authentic method (encryption scheme)	–	None/WEP64/WEP128 Common key authentication (WEP) WPA/WPA2-PSK (TKIP+AES) LEAP (CKIP) EAP-FAST (TKIP/AES) PEAP (TKIP/AES) *3 EAP-TLS (TKIP/AES) EAP-TTLS (TKIP/AES)		
Wireless LAN security (Wireless direct mode)	–	–	–	None / WPA2-PSK (AES) / WEP		
NFC	Yes	Yes	–	–		

* Under Brother standard environment
** With black mark only

	RJ-2035B	RJ-2055WB	RJ-2030	RJ-2050	RJ-2140	RJ-2150
			2 Inch			

Software / Firmware

	RJ-2035B / RJ-2055WB	RJ-2030 / RJ-2050	RJ-2140 / RJ-2150
Operating system support	Microsoft® Windows® 7 Windows® 8.1 Windows® 10, Windows® 2012, 2012 R2, 2016, 2019 Linux Mac OS v10.11-10.15	Microsoft® Windows Vista®/ Windows® 7 / Windows® 8 Windows® 8.1 / Windows® 10, Android 4.0.3 or higher (SDK)	Microsoft® / Windows Vista® / Windows® 7 / Windows® 8 Windows® 8.1 / Windows® 10, Windows® Server 2008, 2008 R2, 2012, 2012 R2, 2016, 2019 Android 4.0.3 or higher (SDK) iOS 6 or higher (SDK)
SDK availability (visit https://www.brother.co.jp/eng/dev/)	Android v5 – v10 iOS v9 – v13.2	b-PAC (for Windows) Android 4.0.3 or higher (SDK) iOS 6 or higher (SDK)	
Supported printer commands	FBPL-EZC (EPL2/ZPL2/CPCL) FBPL-EZP (EPL2/ZPL2/ESC-POS) - downloadable	ZPLII emulation, CPCL emulation ESC/P, P-touch Template, Raster	
Barcode symbologies	Linear: Code128UCC, Code128 subsets A, B, C, EAN128, Interleaved 2 of 5, Interleaved 2 of 5 with check digit, Standard 2 of 5, Industrial 2 of 5, Code39, Code39 with check digit, Code93, EAN13, EAN8, UPCA, UPCE, EAN and UPC 2 (5) digits add-on, Codabar, Postnet, MSI, MSI with check digit, PLESSEY, China post, ITF14, EAN14, Code11, TELEPEN, TELEPEN number, PLANET, Code49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS 2-dimensional: CODABLOCK F mode, GS1 DataBar, GS1 DataMatrix, Maxicode, AZTEC, PDF417, QR Code, Micro PDF417, TLC39	CODE39 / ITF (I-2/5) / EAN-13 /EAN-8 / UPC-A / UPC-E / CODABAR / CODE128 / GS1-128(UCC/EAN-128) / RSS symbols / CODE93 / POSTNET / UPC/EAN EXTENSION / MSI / QR Code (model 1, model 2, micro QR) / PDF417 (Standard, Truncate, MicroPDF417) / Data Matrix (ECC200 Square, ECC200 Rectangular) / MaxiCode / Aztec	

Memory

	RJ-2035B	RJ-2055WB	RJ-2030 / RJ-2050 / RJ-2140 / RJ-2150
RAM	32MB		
Flash	16MB		32MB (12MB available for template upload)

Environmental

	RJ-2035B / RJ-2055WB	RJ-2030 / RJ-2050 / RJ-2140 / RJ-2150
Drop protection	2.5m (with IP54 optional case)	2.5m
Sealing	IP54 (with optional case)	IP54
Operating temperature	-15C to +50C	Operating: -10C to +50C / Charging: 0C to +40C
Operating humidity	10%-90% / Maximum wet bulb: +27C (no condensation)	
Storage temperature	-30C to +70C	-20C to +60C for 120 hours maximum
Storage humidity	10% to 90% non-condensing	+45C @ 95% for 120 hours maximum

Power

	RJ-2035B / RJ-2055WB	RJ-2030 / RJ-2050 / RJ-2140 / RJ-2150
Battery	Rechargeable Li-ion	
AC adapter	AC adapter (15 V) only for charging (50/60Hz)	100-240V AC (50/60Hz) to 15V DC (only for charging) (optional)
Car adapter (optional accessory)	12V DC (only for charging)	

Weights / Dimensions

	RJ-2035B / RJ-2055WB	RJ-2030 / RJ-2050	RJ-2140 / RJ-2150
Dimensions (mm)	79(w) x 36.5(h) x 116(d)	122(w) x 57(h) x 100(d)	151(w) x 73(h) x 100(d)
Weight (including battery)	215g	465g	545g

Included items

	RJ-2035B / RJ-2055WB	RJ-2030 / RJ-2050 / RJ-2140 / RJ-2150
Supplied in box	Belt clip, documentation, power adaptor, battery	Battery, belt clip, documentation

RJ series range
3 & 4 inch

	RJ-3035B	RJ-3055WB	RJ-3230BL	RJ-3250WBL	RJ-4230B	RJ-4250WB
		3 Inch			4 Inch	

Printing / Media

	RJ-3035B	RJ-3055WB	RJ-3230BL	RJ-3250WBL	RJ-4230B	RJ-4250WB
Print technology	Direct thermal				Direct thermal	
Print resolution	203dpi				203dpi	
Print speed	Maximum 4ips (101.6mm/sec)		Maximum 127mm/second (5ips)		Maximum 127mm/second (5ips)	
Maximum print width on receipt	72mm				104mm	
Maximum print length	2794mm		3000mm		3000mm	
Media sensor type	Reflective		Transmissive / Reflective		Transmissive / Reflective	
Cutter type	Tear bar		Double tear bar		Double tear bar	
Media types	Receipt	Receipt / label	Receipt/label/tag		Receipt / label / Tag label	
Receipt width	80mm				113mm	
Receipt paper thickness	2.3-3.5 mils (0.058-0.090mm)				2.2 mil to 3.5 mil (0.058mm to 0.090mm)	
Label width	-		76mm		113mm	
Label thickness	-		-		3.1 mil to 6.6 mil (0.080mm to 0.170mm)	
Roll diameter	40mm max		66mm max		58mm max	
Core diameter	-		Standard : 25.4mm (Default) In-box : 12.7mm-13.0mm or 19.0mm		12.7mm (receipt) / 25.4mm (labels)	

LCD

	RJ-3035B	RJ-3055WB	RJ-3230BL	RJ-3250WBL	RJ-4230B	RJ-4250WB
Type	-		Mono		Mono	

Connectivity

	RJ-3035B	RJ-3055WB	RJ-3230BL	RJ-3250WBL	RJ-4230B	RJ-4250WB
USB	Yes		Yes (USB-C)		Yes	
USB host capability	-		No		-	
Bluetooth	v5.0	v4.2	v5.0		v4.2	
Bluetooth profiles	SPP (Serial Port Profile), GATT (Low Energy)/ iAP supported	SPP (Serial Port Profile) GATT (Low Energy)	SPP (Serial Port Profile) OPP (Object Push Profile) HCRP (Hard Copy Cable Replacement Profile) iAP supported Low Energy: GATT		Classic: SPP (Serial Port Profile) OPP (Object Push Profile) HCRP (Hard Copy Cable Replacement Profile) iAP supported Low Energy: GATT	
MFi support	Yes	No	Yes		Yes	
Wireless LAN	-	Wireless LAN IEEE802.11a/b/g/n	-	IEEE802.11a/b/g/n/i/r Infrastructure mode: IEEE802.11a/b/g/n/i/r Wireless Direct mode: IEEE802.11g/n/d/i	-	Wireless LAN IEEE802.11 [a/b/g/n] (Infrastructure mode: [a/b/g/n] / Wireless direct mode: [g/n])
Wireless LAN security (AdHoc mode)	-	-	-	Authentic method (encryption scheme)	-	
Wireless LAN security (Infrastructure mode)	-	Authentic method (encryption scheme) Infrastructure mode: Open system (None/ WEP64/WEP128) WPA/WPA2-PSK (TKIP+AES) EAP-FAST (TKIP/AES) PEAPv0 (TKIP/AES) EAP-TLS (TKIP/AES) EAP-TTLS (TKIP/AES)	-	SSL/TLS1.0/1.1/1.2 (HTTPS, IPPS) SNMPv3, 802.1x (EAP-FAST, PEAP, EAP-TLS, EAP-TTLS) WEP 64/128 bit, WPA-PSK (TKIP/AES), WPA2-PSK (AES), WPA3-SAE (AES)	-	Open system (None/ WEP64/WEP128) Common key authentication (WEP) WPA/WPA2-PSK (TKIP+AES) EAP-FAST (TKIP/AES) PEAP (TKIP/AES) *3 EAP-TLS (TKIP/AES) EAP-TTLS (TKIP/AES)
Wireless LAN security (Wireless direct mode)	-	-	WPA2-PSK (AES)	WPA2-PSK (AES)	-	WPA2-PSK (AES)
NFC	Yes	Yes	Yes (Passive only)		Yes (Passive only)	

* Black mark only

	RJ-3035B	RJ-3055WB	RJ-3230BL	RJ-3250WBL	RJ-4230B	RJ-4250WB
		3 Inch			4 Inch	

Software / Firmware

| Operating system support | Microsoft® Windows® 7 Windows® 8.1 Windows® 10 Windows® Server 2012, 2012 R2, 2016, 2019 Linux Mac OS v10.11-10.15 | | Microsoft® Windows® 7, 8.1, 10 Windows® Server 2012, 2012 R2, 2016, 2019 | | Microsoft® Windows Vista® / Windows®7 / Windows®8 Windows®8.1 / Windows®10 | Microsoft® Windows Vista® / Windows®7 Windows®8 Windows®8.1 / Windows®10 / Microsoft® Windows Server® 2003 / 2008 / 2008 R2 / 2012 / 2012 R2 |

Visit: http://support.brother.com for latest OS support

SDK availability https://support.brother.com/g/s/es/dev/en/index.html	Android v5 - v10 iOS v9 - v13.2		Android v6 - v11 iOS v10 - v14		Android 4.0.3 or later iOS 7 or later	
Supported printer commands	FBPL-EZC (EPL2/ZPL2/CPCL) FBPL-EZP (EPL2/ZPL2/ESC-POS) - downloadable		Raster, ESC/P, P-touch Template, ZPL II emulation, CPCL emulation		Raster, ESC/P, P-touch Template, ZPL II emulation, CPCL emulation	
Barcode symbologies Supported barcodes depend on printer commands. Please refer to the command reference for details.	Linear: Code128UCC, Code128 subsets A, B, C, EAN128, Interleaved 2 of 5, Interleaved 2 of 5 with check digit, Standard 2 of 5, Industrial 2 of 5, Code39, Code39 with check digit, Code93, EAN13, EAN8, UPCA, UPCE, EAN and UPC 2 (5) digits add-on, Codabar, Postnet, MSI, MSI with check digit, PLESSEY, China post, ITF14, EAN14, Code11, TELEPEN, TELEPEN number, PLANET, Code49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS, 2-dimensional: CODABLOCK F mode, GS1 DataBar, GS1 DataMatrix, Maxicode, AZTEC, PDF417, QR Code, Micro PDF417, TLC39		CODE39, CODE93, ITF(I-2/5), EAN-8, EAN-13, UPC-A, UPC-E, CODABAR(NW-7), CODE128, GS1-128(UCC/EAN-128), GS1 DataBar (Standard, Truncated, Stacked, Stacked Omnidirectional),GS1 DataBar Limited, GS1 DataBar Expanded (Standard, Stacked), POSTNET, UPC/EAN EXTENSION, MSI, Intelligent Mail Barcode, QR Code, Micro QR Code, PDF417, MicroPDF417, MaxiCode, DataMatrix, Aztec		Linear: CODE 39, ITF(I-2/5), EAN-8, EAN-13, UPC-A, UPC-E, UPC/EAN EXTENSION CODABAR, CODE 128, GS1-128 (UCC/EAN 128), POSTNET, GS1 Databar (Omnidirectional / Truncated / Stacked / Stacked Omnidirectional / Limited / Expanded / Expanded Stacked) CODE93, MSI/Plessey Inteligent Mail Barcode 2-dimensional: QR Code (model 1, model 2, micro QR), Maxi code, PDF417 (Standard, Truncate) MicroPDF417, Data Matrix (Square, Rectangular) AztecCode	

Memory

| RAM | 32MB | | 256MB | | 256MB | |
| Flash | 16MB | | 128MB | | 64MB | |

Environmental

Drop protection	2.5 metres (with optional IP54 case)		2 metres		2.1 metres	
Sealing	IP54 (with optional case)		IP54		IP54	
Operating temperature	-15 to 50ºC		Operate: -20°C to 55°C Charging: 0°C to 40°C		Battery: -20ºC to 55ºC AC adapter: -10ºC to 40ºC. Car adapter: -10ºC to 50ºC	
Operating humidity	10-90%, Max wet bulb: 27 deg C (No condensation)		10% to 90% non-condensing		10-90%, Max wet bulb: 27 deg C (No condensation)	
Storage temperature	-30C to +70 deg C		-20°C to 60°C		-20C to +60 deg C	
Storage humidity	10% to 90% non-condensing		10% - 90% non-condensing		10% - 90%, Max wet bulb: 45 deg C (No condensation)	

Power

Battery	Rechargeable Li-ion		Rechargeable Li-ion smart battery		Rechargeable Li-ion smart battery (optional)	
AC adapter	AC adapter (15 V) only for charging (50/60Hz)		AC adapter (15 V) only for charging (optional)		AC adapter (15 V) only for charging (50/60Hz) (optional)	
Car adapter (optional accessory)	Cigarette car adapter or Wired type (12 V (DC)) only for charging					

Weights / Dimensions

| Dimensions (mm) | 105 (W) x 49.5 (H) x 116 (D) mm | | 117 (W) x 77 (H) x 180 (D) mm | | 153(w) x 68h) x 159(d) mm | |
| Weight (including battery) | 375g | 375g | 807g | 807g | 850g | |

Included items

| Supplied in box | Belt clip Documentation Power adaptor Battery | | Belt Clip Li-ion battery Roll Holder Stop Media discs Documentation | | Printer Belt clip Adjuster guide lockers | |

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at your side