

# Rugged Mobile Receipt and Label Printers Series



*RJ Series*

A female retail employee with brown hair tied back, wearing a black polo shirt and a blue apron, is standing in a grocery store aisle. She is holding a black handheld scanner in her right hand and looking at it. A portable label printer, branded with the 'brother' logo, is clipped to her apron. The printer is printing two labels; the top one shows 'REDUCED', a barcode, and '40% OFF', with the original price 'WAS \$12.00' and the new price 'NOW \$7.20'. The bottom label is partially visible and shows 'REDUCED', a barcode, and '40% OFF', with the original price 'WAS \$1.00' and the new price 'NOW \$0.60'. The background shows shelves stocked with various products, including oranges and bags of snacks, in a brightly lit store environment.

**Empower  
mobile workforce  
with labels  
creation and  
amendment  
at any location**



Brother's comprehensive range of RJ mobile printers can deliver impressive print speed with rugged design, robustness and superior quality that are design to suit a wide range of vertical market applications.

Equipped with Bluetooth, Wi-Fi and USB connectivity options, busy mobile workers can print their receipts or labels on-site or in field which will achieve productivity.



## RJ Series mobile printers



### Rugged design

Due to the nature of many mobile applications, mobile printers may be exposed to a range of outdoor conditions which can affect the print operation or cause damage, for example, a Traffic warden printing in the field.

All RJ mobile printers are tested against IP54 protection standards which offer extra peace of mind for extreme outdoor applications subjected to damp, moisture or indoor environments where dust is present. RJ mobile printers are dropped and tested up to 2.5 metres which provide additional credibility in terms of toughness and reliability.



**RJ Series**

## Up to 2 inch



RJ-2030



RJ-2050



RJ-2140



RJ-2150

## Up to 3 inch



RJ-3230B



RJ-3250WB

## Up to 4 inch



RJ-4230B



RJ-4250WB

# Trust RJ Mobile Printers Series for every application

## Retail

Increase efficiency for retailers with lightweight, durable and easy-to-use RJ mobile printers.

This mobile solution can provide staff with a simple and accurate label and receipt printout that is perfect for pricing, promotions and queue-busting situation that can help to increase customers' satisfaction.



### Applications include:

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



## Direct Store Deliveries

Delivery drivers can be equipped with a seamless solution to help streamline their workflow and minimise downtime.

Mobility and integration are the keys for drivers to access their systems for pricing, invoicing, inventory control which will help to increase their customers' satisfaction.

This mobile solution will makes producing invoices on-site easy.



### Applications include:

- Sales orders and confirmations
- Returned goods receipts and labels
- Customers' receipts
- Delivery receipts



## Field Services

Without a mobile printing solution, manually handwritten documents can be very time-consuming to produce and prone to error.

That is why most businesses are empowering their workforce with mobile technology to complete their tasks on the move, professionally and on schedule.



### Applications include:

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





## RJ Series

### 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 RJ mobile printers' durable design, fast print speed and reliable operation, superior performance can be achieved which will help to increase productivity.



#### Applications include:

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



### Warehousing

Efficient warehousing operations and workers' productivity are critical to the success of many companies.

With wireless connectivity, RJ mobile printers series can provide workers with the ability to print barcode labels on-demand at the point of application.

This will help to save time and reduce potential errors caused by mis-labelling.



#### Applications include:

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



# RJ series range

RJ-2030	RJ-2050	RJ-2140	RJ-2150
2 inch			

## Printing

Print technology	Direct thermal		
Print speed	Maximum 152mm per second (6ips)		
Resolution	203dpi		
Maximum print width	54mm (receipt)	54mm (receipt), 51mm (label)	

Receipt	●	●	●	●
Labels			●	●

## Connectivity

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

## General

IP rating	IP54		
Drop protection (metres)	2.5m		
Weight (with battery)	465g		545g
Dimensions (mm)	122mm (W) 57mm (H) 100mm (D)		151mm (W) 73mm (H) 100mm (D)
Operating system support	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™	Android™ / iOS®	
Supported commands	P-touch Template, ESC/P, Raster, ZPL II emulation, CPCL emulation		

# RJ series range

RJ-3230B	RJ-3250WB	RJ-4230B	RJ-4250WB
3 inch		4 inch	

## Printing

Print technology	Direct thermal		
Print speed	Maximum 127mm per second (5ips)		
Resolution	203dpi		
Maximum print width	72mm	104mm	

## Media Types

Receipt	●	●	●	●
Labels	●	●	●	●

## Connectivity

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

## General

IP rating	IP54	
Drop protection (metres)	2.0	2.1
Weight (with battery)	807g	850g
Dimensions (mm)	117mm (W) 77mm (H) 180mm (D)	153mm (W) 68mm (H) 159mm (D)
Operating system support	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®	
Supported commands	P-touch Template, ESC/P, Raster, ZPL II emulation, CPCL emulation	










**Customise  
RJ Mobile Printer  
with a range of  
accessories**



# Accessories and Print supplies

Brother has designed and engineered a wide range of accessories to customise solution to suite customers' requirement. Brother accessories can help workers to be equipped with their device in-vehicle and on-body. Power options can help to cope up with any increase battery demands.

## Power Options

	<div>PA-BT-003</div> <div>Rechargeable Li-ion Battery</div> <div>RJ-2030   RJ-2050 RJ-2140   RJ-2150</div> <div></div>	<div>PA-BT-006</div> <div>Rechargeable Li-ion Smart Battery</div> <div>RJ-3230B   RJ-3250WB RJ-4230B   RJ-4250WB</div> <div></div>		
<div>PA-AD-600A UK</div> <div>AC Power Adapter</div> <div>RJ-2030   RJ-2050 RJ-2140   RJ-2150 RJ-3230B   RJ-3250WB RJ-4230B   RJ-4250WB</div> <div></div>	<div>PA-CD-600CG</div> <div>Car Adapter (cigarette)</div> <div>RJ-2030   RJ-2050 RJ-2140   RJ-2150 RJ-3230B   RJ-3250WB RJ-4230B   RJ-4250WB</div> <div></div>	<div>PA-CD-600WR</div> <div>Car Adapter (wired)</div> <div>RJ-2030   RJ-2050 RJ-2140   RJ-2150 RJ-3230B   RJ-3250WB RJ-4230B   RJ-4250WB</div> <div></div>	<div>PA-BEK-001WR</div> <div>Battery Eliminator Kit Wired Type</div> <div>RJ-3230B   RJ-3250WB RJ-4230B   RJ-4250WB</div> <div></div>	<div>PA-BEK-001CG</div> <div>Battery Eliminator Kit Cigarette Socket Type</div> <div>RJ-3230B   RJ-3250WB RJ-4230B   RJ-4250WB</div> <div></div>



## Accessories

### PA-BC-002

Battery Charger  
(Single unit)

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



### PA-BC-003

Battery Charger  
(Single unit)

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



### PA-CR-005\*\*

1-slot Charging  
Cradle with Ethernet

RJ-3230B  
RJ-3250WB



### 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-3230B | RJ-3250WB  
RJ-4230B | RJ-4250WB



### PA-4CR-003\*\*

4-slot Charging  
Cradle with Ethernet

RJ-3230B  
RJ-3250WB



### PA-LPR-001

Linerless  
Platen Roller

RJ-4230B | RJ-4250WB



### PA-LPR-004

Linerless  
Platen Roller

RJ-3230B  
RJ-3250WB



### PA-LP-007

Peeler

RJ-3230B  
RJ-3250WB



\*\* Requires purchase of PA-AD-600A UK AC Power Adapter



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. RJ mobile printers support Windows® Mobile\*, Android™ and iOS® operating system.

## Software Support Features

### Template mode

Design required document on Windows® PC with logos and barcodes. Stored in RJ mobile printer's memory after transferred.

Templates can be recalled and data replaced before printing in just a few short commands.

### AirPrint®\* and MFi\* support

Easy to connect and print from Apple® devices via AirPrint® and MFi support.







### Mobile Deploy\*

Cloud-based app for mobile devices running on iOS® and Android™ platforms allows IT administrators to remotely update and configure multiple Brother RJ mobile printers.

Use Mobile Deploy to easily upload new update packages to an online location and share the URLs with the users.

### Printer Commands\*

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

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



## Mobile Deploy



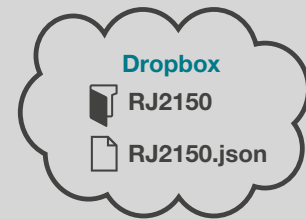
### Work of an administrator

#### 1. Prepare the files



Personal Computer

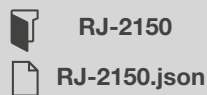
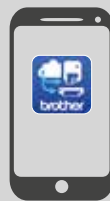
#### 2. Put the files in Dropbox



### Work of Operators

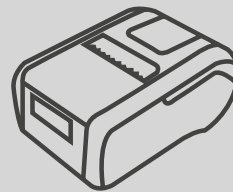
#### 3. Introduce the procedure via e-mail.

#### 4. Perform multiple settings via batch with Mobile Deploy (after downloading the files from Dropbox and transmit the bif files to the mobile printer).



Mobile device

(iPhone/iPad, Android™)



bsr16act.bif

RJ-2150\_58mm.bif

Printer

More information can be found here:

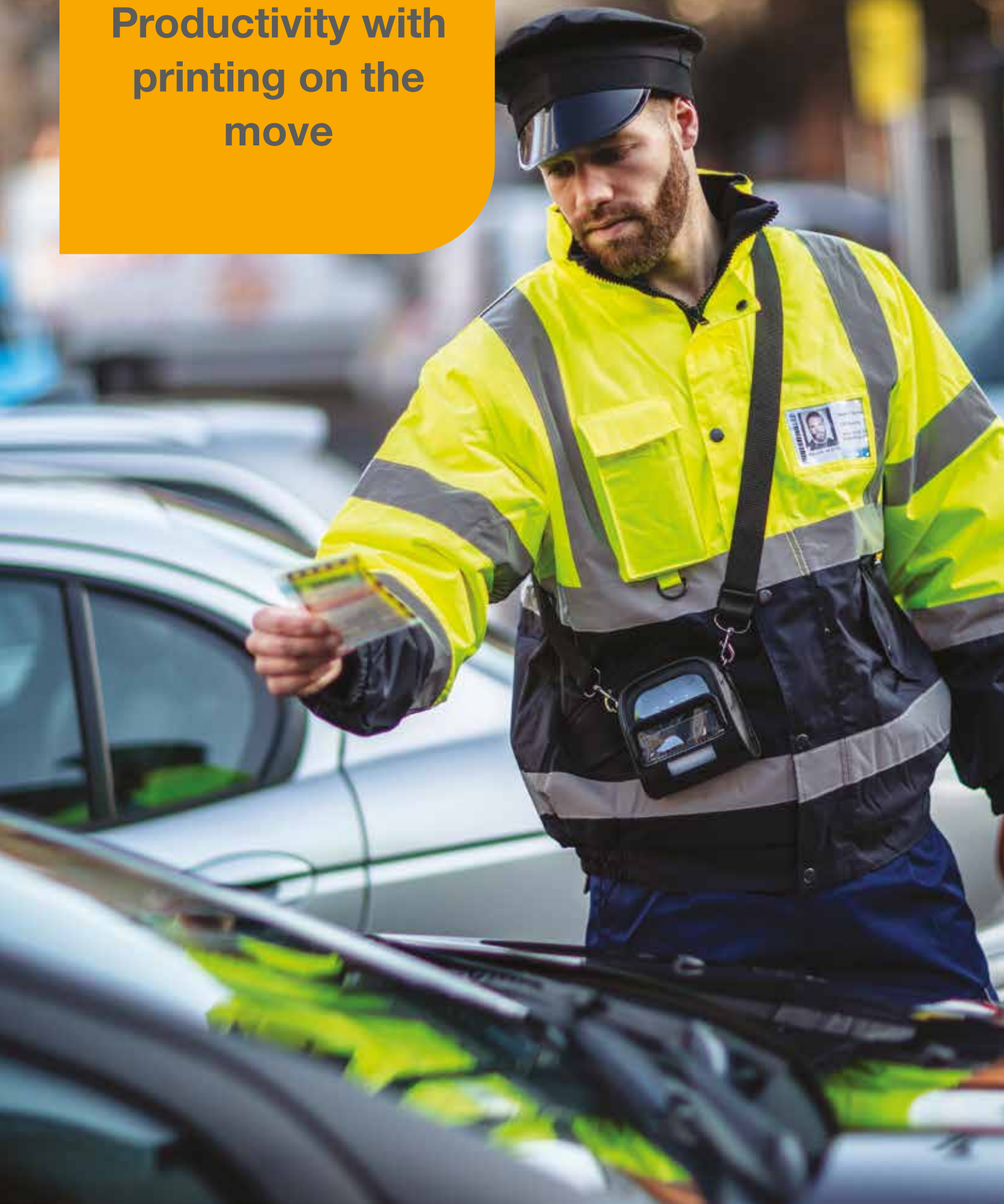


Compatible models: RJ-2000 Series, RJ-3200 Series, RJ-4200 Series, PJ-763, PJ-763MFi, PJ-773





**Achieve  
Productivity with  
printing on the  
move**



# RJ series range

2 inch

RJ-2030	RJ-2050	RJ-2140	RJ-2150
2 inch			

## Printing / Media

Print technology	Direct thermal	
Print resolution	203dpi	
Print speed	Maximum 152mm per second (6ips)*	
Maximum print width on receipt	54mm	
Maximum print length	1000mm	
Media sensor type	Reflective	Transmissive / Reflective
Cutter type	Tear bar	
Media types	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	40mm max	60mm max
Core diameter (minimum)	10.2mm	

## LCD

Type	Backlit monochrome LCD
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## Connectivity

USB	USB v2.0 full-speed (mini-B connector)			
Bluetooth	v2.1+EDR			
Bluetooth profiles	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
Wireless LAN	-	IEEE802.11b/g/n Infrastructure mode: [b/g/n] Ad hoc mode: [b/g/n] Wireless direct mode: [g/n]		
Wireless LAN security (Ad hoc mode)	-	None / WEP		
Wireless LAN security (Infrastructure mode)	-	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	-			

\* Under Brother standard environment

\*\* With black mark only



RJ-2030

RJ-2050

RJ-2140

RJ-2150

2 inch

## Software / Firmware

Operating system support

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

(<https://support.brother.com/g/s/es/dev/en/index.html>)

b-PAC (for Windows®)  
Android™ 4.0.3 or higher (SDK)  
iOS® 6 or higher (SDK)

Supported printer commands

ZPLII emulation, CPCL emulation  
ESC/P, P-touch Template, Raster

Barcode symbologies

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

RAM

32MB

Flash

32MB (12MB available for template upload)

## Environmental

Drop protection

2.5m

Sealing

IP54

Operating temperature

Operating: -10°C to 50°C / Charging: 0°C to 40°C

Operating humidity

10% - 90% / Maximum wet bulb: 27°C (no condensation)

Storage temperature

-20°C to 60°C for 120 hours maximum

Storage humidity

45°C @ 95% for 120 hours maximum

## Power

Battery

Rechargeable Li-ion

AC Power adapter

100 - 240V AC (50 / 60Hz) to 15V DC (only for charging) (optional)

Car adapter (optional accessory)

12V DC (only for charging)

## Weights / Dimensions

Dimensions (mm)

122mm (W) x 57mm (H) x 100mm (D)

151mm (W) x 73mm (H) x 100mm (D)

Weight (including battery)

465g

545g

## Package content

Included in the box

Battery, belt clip, documentation

# RJ series range

## 3 and 4 inch

RJ-3230B	RJ-3250WB	RJ-4230B	RJ-4250WB
3 inch		4 inch	

### Printing / Media

Print technology	Direct thermal	
Print resolution	203dpi	
Print speed	Maximum 127mm per second (5ips)	
Maximum print width on receipt	72mm	104mm
Maximum print length	3000mm	
Media sensor type	Transmissive / Reflective	
Cutter type	Double tear bar	
Media types	Receipt / Label / Tag label	
Receipt width	80mm	113mm
Receipt paper thickness	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	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

Type	Monochrome
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### Connectivity

USB	Yes (USB-C)		Yes
USB host capability	No		-
Bluetooth	v5.0		v4.2
Bluetooth profiles	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		
Wireless LAN	-	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 (Ad hoc mode)	-	-	-
Wireless LAN security (Infrastructure mode)	-	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)
NFC	Yes (Passive only)		

\* Black mark only

	RJ-3230B	RJ-3250WB	RJ-4230B	RJ-4250WB
	3 inch		4 inch	
Software / Firmware				
Operating system support	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: <a href="https://support.brother.com">https://support.brother.com</a> for latest OS support				
SDK availability ( <a href="https://support.brother.com/g/s/es/dev/en/index.html">https://support.brother.com/g/s/es/dev/en/index.html</a> )	Android™ v6 - v11 iOS® v10 - v14		Android™ 4.0.3 or later iOS® 7 or later	
Supported printer commands	Raster, ESC/P, P-touch Template, ZPL II emulation, CPCL emulation			
Barcode symbologies	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 Intelligent Mail Barcode  2-dimensional: QR Code (model 1, model 2, micro QR), Maxi code, PDF417 (Standard, Truncate) MicroPDF417, Data Matrix (Square, Rectangular) AztecCode	
Supported barcodes depend on printer commands. Please refer to the command reference for details.				
Memory				
RAM	256MB			
Flash	128MB		64MB	
Environmental				
Drop protection	2 metres		2.1 metres	
Sealing	IP54			
Operating temperature	Operate: -20°C to 55°C Charging: 0°C to 40°C		Battery: -20°C to 55°C AC Power adapter: -10°C to 40°C. Car adapter: -10°C to 50°C	
Operating humidity	10% to 90% non-condensing		10% - 90%, Max wet bulb: 27°C (No condensation)	
Storage temperature	-20°C to 60°C		-20°C to 60°C	
Storage humidity	10% - 90% non-condensing		10% - 90%, Max wet bulb: 45°C (No condensation)	
Power				
Battery	Rechargeable Li-ion smart battery		Rechargeable Li-ion smart battery (optional)	
AC Power adapter	AC Power adapter (15V) only for charging (optional)		AC Power adapter (15V) only for charging (50 / 60Hz) (optional)	
Car adapter (optional accessory)	Cigarette car adapter or Wired type (12V (DC)) only for charging			
Weights / Dimensions				
Dimensions (mm)	117mm (W) x 77mm (H) x 180mm (D)		153mm (W) x 68mm (H) x 159mm (D)	
Weight (including battery)	807g		850g	
Package content				
Included in the box	Belt Clip Li-ion battery Roll Holder Stop Media discs Documentation		Printer Belt clip Adjuster guide lockers	

**brother**  
at your side