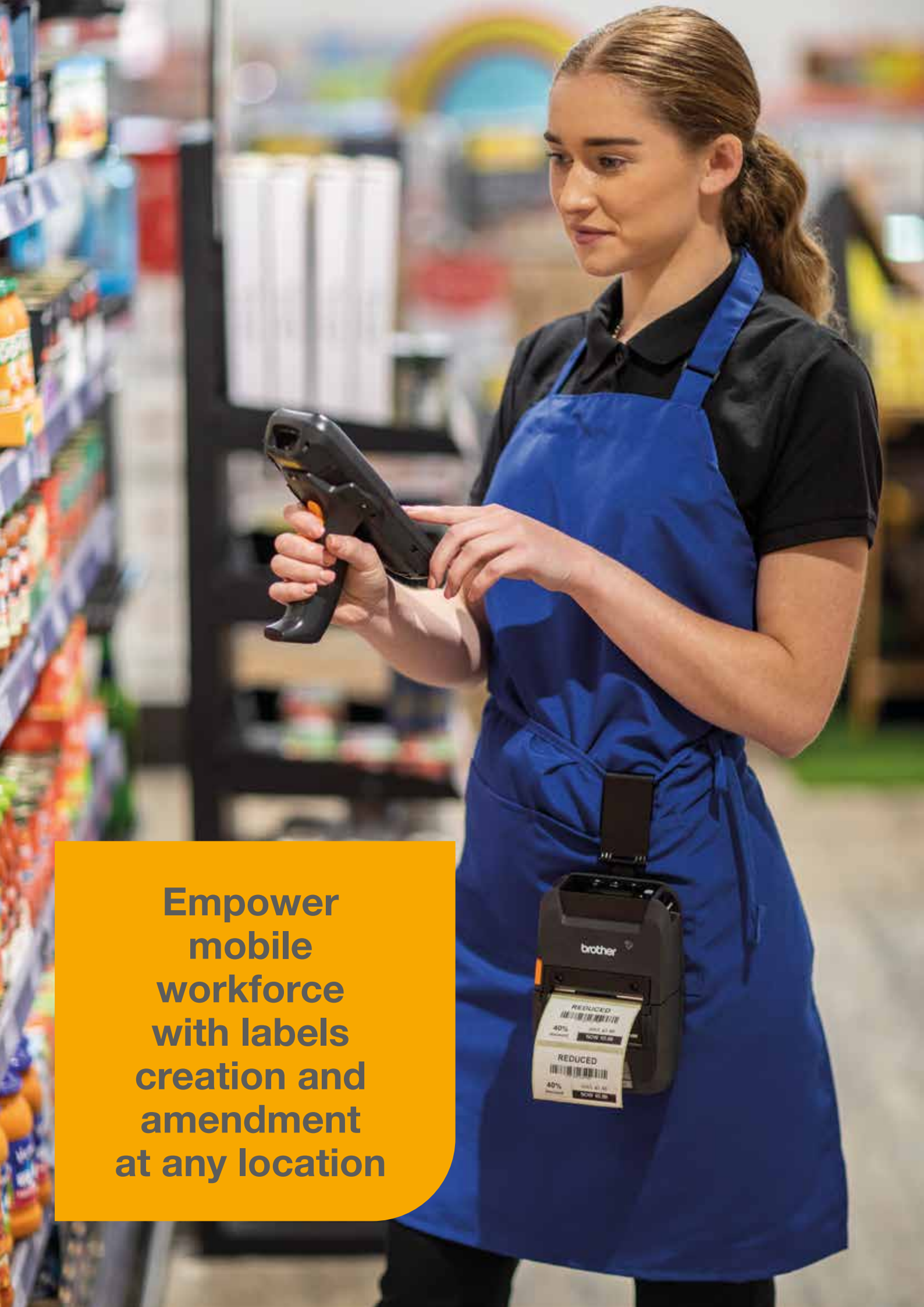


Rugged Mobile Receipt and Label Printers Series



RJ Series



**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 cater to a wide range of vertical market applications.

Equipped with Wireless, USB and Bluetooth® wireless connectivity options, busy mobile workers can print their receipts or labels on-site or in field which will help to 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, resulting in damage. For example, a Traffic warden printing in the field.

RJ mobile printers have been tested against IP54 protection standards which offer extra peace of mind for extreme outdoor applications expose to damp, moisture or indoor environments where dust is present. Selected RJ mobile printers were dropped and tested up to 2.5 metres which provide the 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

Models may vary by country. Please contact your local Brother office for more information.

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 printing that is ideal for pricing, promotions and queue-busting situation which will 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 can 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 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 can 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 organisations.

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

This will help to save time and reduces potential errors caused by mislabelling.



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® wireless connection	●	●		●
AirPrint®		●	●	●
Made for iPhone		●		●

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®	Microsoft® Windows® Windows® Server®	
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® wireless connection	●	●	●	●
AirPrint®		●		●
Made for iPhone	●	●	●	●

General

IP rating	IP54	
Drop protection (metres)	2.0m	2.1m
Weight (with battery)	807g	850g
Dimensions (mm)	117mm (W) 77mm (H) 180mm (D)	153mm (W) 68mm (H) 159mm (D)
Operating system support	Microsoft® Windows® Windows® Server®	Microsoft® Windows® RJ-4250WB also supports: Microsoft® Windows® Server®
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

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

PA-BT-003

Rechargeable
Li-ion Battery

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



PA-BT-006

Rechargeable
Li-ion Smart
Battery

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



PA-AD-600A UK

AC Power Adapter

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



PA-CD-600CG

Car Adapter (cigarette)

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



PA-CD-600WR

Car Adapter (wired)

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



PA-BEK-001WR

Battery Eliminator
Kit Wired Type

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



PA-BEK-001CG

Battery Eliminator Kit
Cigarette Socket Type

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



Accessories may vary by country. Please contact your local Brother office for more information.



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



Accessories may vary by country. Please contact your local Brother office for more information.



** Requires the purchase of PA-AD-600A 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 (b-Pac SDK). 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 Made for iPhone

Easy to connect and print from Apple® devices via AirPrint® and Made for iPhone.



* Check model for compatibility.



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.

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

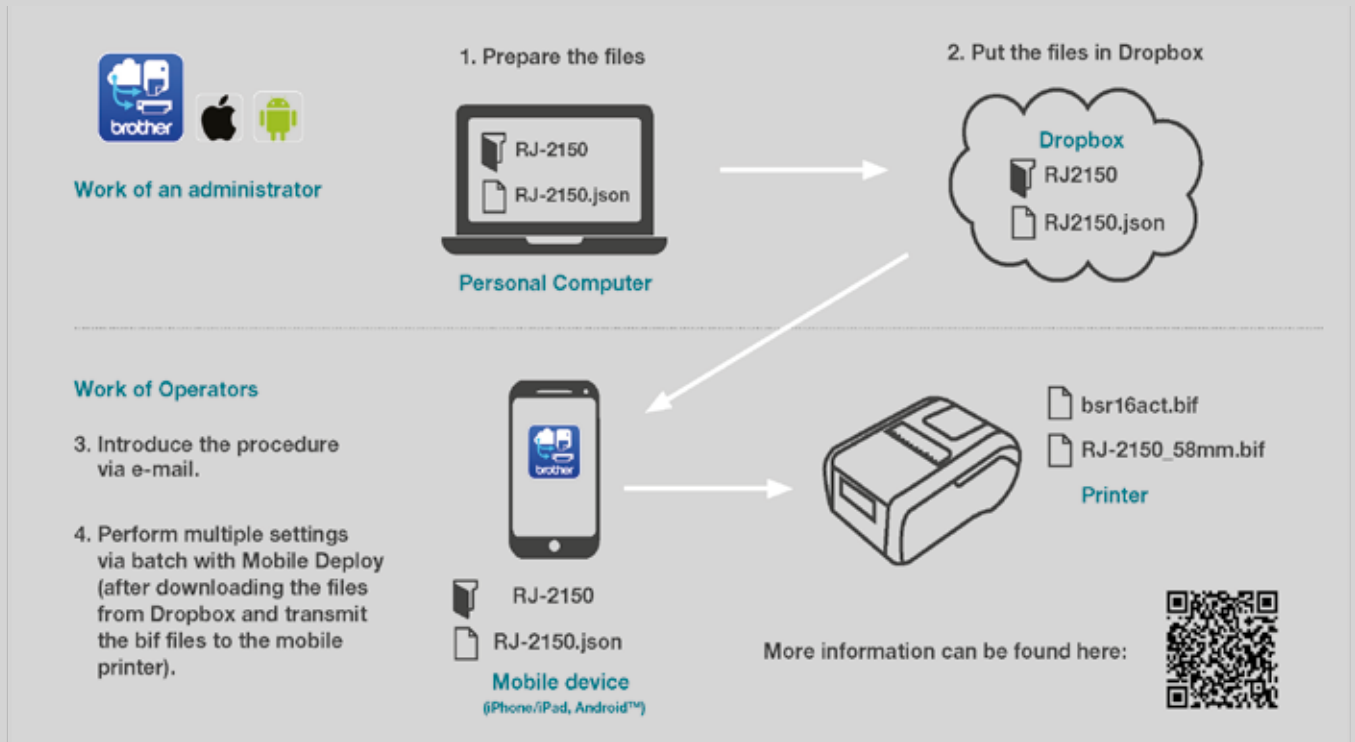
Printer Commands*

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.



* Check model for compatibility.

Mobile Deploy



**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	2.3mils - 3.5 mils (0.058mm - 0.090mm)	
Label width	-	55mm
Label thickness	-	3.1mils - 6.7 mils (0.080mm - 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 version 2.0 full-speed (mini-B connector)			
Bluetooth® wireless connection	Bluetooth® Classic			
Bluetooth® Profile	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)	
Made for iPhone	-	Yes	-	Yes
Wireless LAN	-	IEEE 802.11b/g/n Infrastructure mode: b/g/n Ad-hoc mode: b/g/n Wi-Fi® 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 (Wi-Fi® Direct mode)	-	None / WPA2-PSK (AES) / WEP		
NFC	-			

* Under Brother standard environment.

** With black mark only.

RJ series range

2 inch

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

Software / Firmware

Operating system support	Microsoft® Windows® Android™	Microsoft® Windows® Windows® Server® Android™ iOS®
b-Pac SDK availability https://support.brother.com/g/s/es/dev/en/index.html	b-PAC SDK (for Windows®) Android™ iOS®	
Supported printer commands	ZPL II 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	100V - 240V AC (50Hz / 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
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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 Type-C)			Yes
USB host capability	No			-
Bluetooth® wireless connection	Bluetooth® Dual-Mode (Classic + Low Energy)			Bluetooth® Dual-Mode (Classic + Low Energy)
Bluetooth® Profile	SPP (Serial Port Profile) OPP (Object Push Profile) HCRP (Hard Copy Cable Replacement Profile) GATT			SPP (Serial Port Profile) OPP (Object Push Profile) HCRP (Hard Copy Cable Replacement Profile) GATT
Made for iPhone	Yes			
Wireless LAN	-	IEEE 802.11a/b/g/n/i/r Infrastructure mode: IEEE 802.11a/b/g/n/i/r Wi-Fi® Direct mode: IEEE 802.11g/n/d/i	-	Wireless LAN IEEE 802.11 a/b/g/n (Infrastructure mode: a/b/g/n / Wi-Fi® 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 (Wi-Fi® Direct mode)	WPA2-PSK (AES)		-	WPA2-PSK (AES)
NFC	Yes (Passive only)			

* Black mark only.

RJ series range

3 and 4 inch

RJ series range		RJ-3230B	RJ-3250WB	RJ-4230B	RJ-4250WB
3 and 4 inch		3 inch		4 inch	
Software / Firmware					
Operating system support		Microsoft® Windows® Windows® Server®		Microsoft® Window®	Microsoft® Windows® Microsoft® Windows® Server®
For latest OS system Visit: https://support.brother.com					
b-Pac SDK availability https://support.brother.com/g/s/es/dev/en/index.html		Android™ iOS®		Android™ iOS®	
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	2m	2.1m			
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	Mobile Printer Belt Clip Rechargeable Li-ion battery Roll Holder Stop Documentation	Mobile Printer Belt clip Adjuster guide lockers			

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at your side