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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, Wireless & 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. traffic warden printing in the field. However, RJ carries IP54 certification offering that extra piece 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-2030 | RJ-2050 | RJ-2140 | RJ-2150 | RJ-3050 | RJ-3150 | 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

Agents need to be equipped with a seamless solution to help streamline their workflow and minimise downtime. Mobility and integration is key, so agents 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

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 rugged 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 provide 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-2030	RJ-2050	RJ-2140	RJ-2150	RJ-3050	RJ-3150	RJ-4230B	RJ-4250WB
	2 Inch				3 Inch		4 Inch	

Printing

Print technology	Direct thermal				Direct thermal		Direct thermal	
Print speed	152mm/sec				127mm/sec		127mm/sec	
Resolution	203dpi				203dpi		203dpi	
Max print width	54mm (receipt)		54mm (receipt) 51mm (label)		72mm		104mm	

Media Types

	RJ-2030	RJ-2050	RJ-2140	RJ-2150	RJ-3050	RJ-3150	RJ-4230B	RJ-4250WB
Receipt	●	●	●	●	●	●	●	●
Labels			●	●		●	●	●

Connectivity

	RJ-2030	RJ-2050	RJ-2140	RJ-2150	RJ-3050	RJ-3150	RJ-4230B	RJ-4250WB
USB	●	●	●	●	●	●	●	●
Wireless LAN		●	●	●	●	●		●
Bluetooth	●	●		●	●	●	●	●
AirPrint		●	●	●	●	●		●
MFi		●		●			●	●

General

IP rating	IP54				IP54		IP54	
Drop protection (metres)	2.5				1.2	1.8	2.1	
Weight (with battery)	465g		545g		610g	680g	850g	
Dimensions (mm)	122(w) 57(h) 100(d)		151(w) 73(h) 100(d)		113(w) 80(h) 186(d)	116(w) 82(h) 189(d)	153(w) 159(h) 68(d)	
Operating system support	Microsoft® Windows Vista® Windows® 7 Windows® 8 Windows® 8.1 Windows® 10				Microsoft® Windows Vista® Windows® 7 Windows® 8 Windows® 8.1 Microsoft® Windows Server® 2008 2008 R2 / 2012 / 2012 R2		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		Android / iOS		Android / iOS		Android / iOS	
Supported commands	P-touch Template, ESC/P, Raster, ZPL II emulation, CPCL emulation				P-touch Template, ESC/P, Raster, ZPL II emulation, CPCL emulation		P-touch Template, ESC/P, Raster, ZPL II emulation, CPCL emulation	

RJ Series

Up to 2 inch

RJ-2030

RJ-2050

RJ-2140

RJ-2150

Up to 3 inch

RJ-3050

RJ-3150

Up to 4 inch

RJ-4230B

RJ-4250WB

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

RJ-2000 Series only

Li-ion rechargeable Battery

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

PA-BT-001A
PA-BT-001B

RJ-3000 Series only

Li-ion rechargeable Battery

RJ-3150 | RJ-3050

A   B

PA-BT-006

RJ-4200 Series only

Rechargeable Li-ion smart Battery

RJ-4230B |
RJ-4250WB

PA-AD-600UK

Complete RJ Series

AC Adapter (UK)

Entire RJ Range

PA-AD-600EU

Complete RJ Series

AC Adapter (EU)

Entire RJ Range

PA-CD-600CG

Complete RJ Series

Car Adaptor (cigarette)

Entire RJ Range

PA-CD-600WR

Complete RJ Series

Car Adapter (wired)

Entire RJ Range

Additional Options

PA-BC-002

RJ-2000 Series only

Battery Charging Unit (single)

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

PA-BC-001

RJ-3000 Series only

Battery Charging Unit (single)

RJ-3050 | RJ-3150

PA-BC-003

RJ-4200 Series only

Battery Charging Unit (single)

RJ-4230B |
RJ-4250WB

PA-CR-001

RJ-3000 Series only

Charging Cradle

RJ-3050 | RJ-3150

PA-CR-002

RJ-4200 Series only

Car Mount / Charging Cradle

RJ-4230B |
RJ-4250WB

PA-SS-4000

Complete RJ Series

Shoulder Strap

Entire RJ Range

Media Options

RD-R03E5

RJ-2000 / 4200 Series

Continuous Receipt Roll

Roll Size:
58mm x 12m
Colour: white

RD-Q04E1

RJ-2140 / 2150

Die-cut Labels Roll

Label Size:
51mm x 26mm
Colour: white
Quantity:
450 per roll

RD-P08E5

RJ-3000 Series

Continuous Receipt Roll

Roll size:
76mm x 35m
Colour: white

RD-P09E1

RJ-3150 Series

Die Cut Labels Roll

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

RD-M01E5

RJ-4200 Series

Continuous Receipt Roll

Roll Size:
102mm x 27.5m
Colour: white

RD-M03E1

RJ-4200 Series

Die Cut Labels Roll

Label Size:
102mm x 152mm
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.

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 Brother ESC/P commands, developers can easily integrate mobile printing into existing legacy systems.

https://www.brother.eu/developer

* Check model compatibility

RJ series range
2 inch

	RJ-2030	RJ-2050	RJ-2140	RJ-2150
	2 Inch	2 Inch	2 Inch	2 Inch

Printing / Media

Print technology	Direct thermal			
Print resolution	203dpi			
Print speed	Maximum 6ips (152mm/sec)*			
Maximum print width on receipt	54mm			
Maximum print length	1 metre			
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		50mm max	
Core diameter	10.2mm			

LCD

Type	Backlit monochrome LCD			

Connectivity

USB	USB version 2.0 full-speed (mini-B connector)			
USB host capability	-			
Bluetooth	Bluetooth 2.1+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] Adhoc mode: [b/g/n] Wireless direct mode: [g/n]		
Wireless LAN security (AdHoc 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		

* Under Brother standard environment

** With black mark only

	RJ-2030	RJ-2050	RJ-2140	RJ-2150
	2 Inch	2 Inch	2 Inch	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) iOS 6 or higher (SDK) (visit http://support.brother.com for latest OS support)
MIcrosoft® WHQL certified drivers	Yes
SDK availability (visit http://www.brother.eu/developer)	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
Internal fonts	<ESC/P commands> Bitmap fonts: Gothic, Letter Gothic Bold, Helsinki. Font sizes: 16, 24, 32 dots Outline fonts: Gothic, Letter Gothic Bold, Helsinki. Font sizes: 400 dots (maximum) <P-touch Template commands> Outline fonts: Gothic, Letter Gothic Bold, Helsinki. Font sizes: 400dots (maximum)

Memory

RAM	32MB
Flash	32MB (12MB available for template upload)

Environmental

Drop protection*	2.5m
Sealing	IP54
Operating temperature	Operating: -10C to +50C / Charging: 0C to +40C
Operating humidity	10%-90% / Maximum web bulb: +27C (no condensation)
Storage temperature	-20C to +60C for 120 hours maximum
Storage humidity	+45C @ 95% for 120 hours maximum

Power

Battery	Rechargeable Li-ion (7.2V)
AC adapter (optional accessory)	100-240V AC (50/60Hz) to 15V DC (only for charging)
Car adapter (optional accessory)	12V DC (only for charging)

Weights / Dimensions

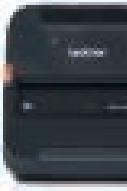|		
Dimensions	122(w) x 57(h) x 100(d) mm	151(w) x 73(h) x 100(d) mm
Weight (including battery)	465g	545g

Included items

Supplied in box	Battery, Li-ion battery, belt clip, ducumentation

RJ series range
3 & 4 inch

	RJ-3050	RJ-3150	RJ-4230B	RJ-4250WB
	3 Inch	3 Inch	4 Inch	4 Inch

Printing / Media

	RJ-3050	RJ-3150	RJ-4230B	RJ-4250WB
Print technology	Direct thermal			
Print resolution	203dpi			
Print speed	Maximum 127mm/second (5ips)			
Maximum print width on receipt	72mm		104mm	
Maximum print length	1 metre		3 metres	
Media sensor type	Reflective	Transmissive / Reflective	Transmissive / Reflective	
Cutter type	Tear bar		Double tear bar	
Media types	Receipt / label*	Receipt / label / tag label	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 (0.058 mm to 0.090 mm)	
Label width	-	76mm	113mm	
Label thickness	-	3.2-6.7 mils (0.080-0.170 mm)	3.1 mil to 6.6 mil (0.080 mm to 0.170 mm)	
Roll diameter	66mm max		58mm max	
Core diameter	10.2mm (receipt)	10.2mm (receipt) / 25.4mm (labels)	12.7mm (receipt) / 25.4mm (labels)	

LCD

	RJ-3050	RJ-3150	RJ-4230B	RJ-4250WB
Type	-	Colour	Mono	

Connectivity

	RJ-3050	RJ-3150	RJ-4230B	RJ-4250WB
USB	Yes			
USB host capability	-	Type A connector	-	
Bluetooth	Bluetooth 2.1+EDR		Bluetooth 4.2 (supporting low energy)	
Bluetooth profiles	SPP (Serial Port Profile) OPP (Object Push Profile)		Classic: SPP (Serial Port Profile) / OPP (Object Push Profile) / HCRP (Hard Copy Cable Replacement Profile) / iAP supported Low Energy: GATT	
MFi support	No		Yes	
Wireless LAN	IEEE802.11b/g/n Infrastructure mode / Wireless direct mode: [b/g/n] Adhoc mode: [b] Wireless direct mode: [b/g/n]		-	Wireless LAN IEEE802.11 [a/b/g/n] (Infrastructure mode: [a/b/g/n] / Wireless direct mode:[g/n])
Wireless LAN security (AdHoc 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) EAP-TLS (TKIP/AES) EAP-TTLS (TKIP/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-3050	RJ-3150	RJ-4230B	RJ-4250WB
	3 Inch	3 Inch	4 Inch	4 Inch

Software / Firmware

	RJ-3050 / RJ-3150	RJ-4230B	RJ-4250WB
Operating system support Visit: http://support.brother.com for latest OS support	Microsoft® Windows Vista®/ Windows® 7 / Windows® 8 Windows® 8.1 / Windows® 10 Android 4.0.3 or higher (SDK) iOS 6 or higher (SDK) Visit http://support.brother.com for latest OS support	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
MIcrosoft® WHQL certified drivers	Yes		
SDK availability (visit http://www.brother.eu/developer)	Android 2.3 or later iOS 5 or later	Android 4.0.3 or later iOS 7 or later	
Supported printer commands	ZPLII emulation / CPCL emulation / ESC/P / P-touch Template / Raster		
Barcode symbologies	Using ESC/P with P-touch Template CODE39, ITF(I-2/5), EAN-13 (JAN13), EAN-8(JAN8), UPC-A, UPC-E, CODABAR (NW-7), CODE128, GS1-128 (UCC/EAN-128), QR Code (model 1, model 2, micro QR), PDF417 (Standard, Truncate, MicroPDF417), DataMatrix (ECC200 Square, ECC200 Rectangular), MaxiCode, GS1 DataBar (Standard, Truncated, Stacked, Stacked Omnidirectional), GS1 DataBar Limited, GS1 DataBar Expanded (Standard, Stacked) Using only ESC/P UPC/EAN EXTENSION, CODE93, POSTNET	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

	RJ-3050 / RJ-3150	RJ-4230B / RJ-4250WB
RAM	32MB	256MB
Flash	32MB	64MB

Environmental

	RJ-3050	RJ-3150	RJ-4230B / RJ-4250WB
Drop protection	1.2 metres	1.8 metres	2.1 metres
Sealing	IP54		
Operating temperature	Operating: -10C to +50C / Charging: 0C to +40C		Battery: -20°C to 55°C AC adapter: -10°C to 40°C Car adapter: -10°C to 50°C
Operating humidity	10-90%, Max wet bulb: 27 deg C (No condensation)		10% - 90% , Max wet bulb: 27 deg C (No condensation)
Storage temperature	-20C to +60 deg C		
Storage humidity	10-90%, Max wet bulb: 45 deg C (No condensation)		10% - 90% , Max wet bulb: 45 deg C (No condensation)

Power

	RJ-3050 / RJ-3150	RJ-4230B / RJ-4250WB
Battery (Option)	Rechargeable Li-ion (7.2V)	Rechargeable Li-ion (7.2V) smart battery
AC adapter (optional accessory)	AC adapter (15 V) only for charging (50/60Hz)	
Car adapter (optional accessory)	Cigarette car adapter or Wired type (12 V (DC)) only for charging	

Weights / Dimensions

	RJ-3050	RJ-3150	RJ-4230B / RJ-4250WB
Dimensions (in mm)	113(w) x 80(h) x 186(d)	116(w) x 82(h) x 189(d)	153(w) x 68h) x 159(d) mm
Weight (including battery)	610g	680g	850g

Included items

	RJ-3050	RJ-3150	RJ-4230B / RJ-4250WB
Supplied in box	Printer Li-ion battery (PA-BT-001-B) Belt clip Documentation	Printer Li-ion battery (PA-BT-001-A) Button type battery Belt clip Documentation	Printer Belt clip Adjuster guide lockers Documentation

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