RJ series rugged mobile receipt and label printer range

Our comprehensive range of RJ mobile printers 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

In the modern business climate, companies today are striving to differentiate themselves from the competition and are therefore investing in technologies which will increase worker productivity and improve customer satisfaction.

Mobile printers are now being recognised as an integral part of the overall mobile mix, due to the many benefits they offer to field workers and their overall Return On Investment (ROI).

The RJ range of rugged mobile printers from Brother offer the latest connectivity options, functionality and accessories which stand up to the rigours of even the most extreme environments.

RJ series range summary

RJ Series	RJ-2030	RJ-2050	RJ-2140	RJ-2150	RJ-3050	RJ-3150	RJ-4230B	RJ-4250WB
	2 Inch (54mm)				3 Inch (76.2mm)		4 Inch (101.6mm)	
MEDIA TYPES								
Receipt	●	●	●	●	●	●	●	●
Labels			●	●		●	●	●
PRINTING								
Print speed	152mm/sec				127mm/sec		127mm/sec	
Resolution	203dpi				203dpi		203dpi	
Max. print width(s)	54mm				72mm		104mm	
CONNECTIVITY								
USB	●	●	●	●	●	●	●	●
Serial							●	●
Wireless LAN		●	●	●	●	●		●
Bluetooth	●	●		●	●	●	●	●
AirPrint		●	●	●	●	●		●
MFi		●		●			●	●
NFC							Yes (passive only)	
OTHERS								
IP Rating	IP54				IP54		IP54	
Drop protection	2.5 metres				1.2 metres	1.8 metres	2.1 metres	
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) 68(h) 159(d)	

Retail

Improve workforce efficiency by printing receipts and labels on demand, whilst at the same time offer greater customer engagement and satisfaction.

Applications include:

- Shelf edge labels
- "Queue busting" receipt printing
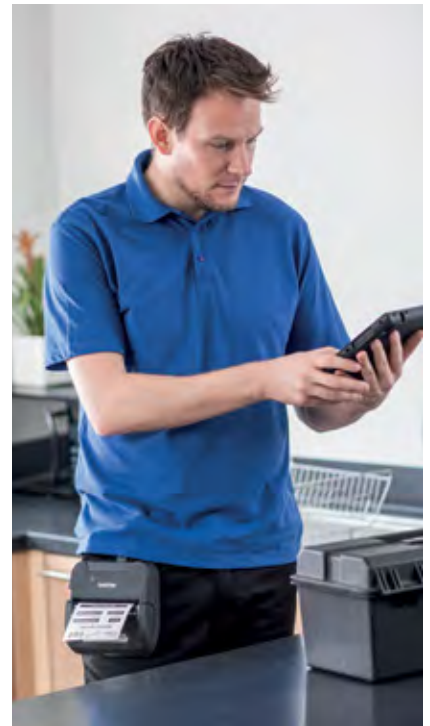- Mark down or discount labels

Field Service / Sales

The deployment of a mobile print solution offers increased productivity courtesy of reduced administrative duties, and enhanced customer satisfaction by providing immediate documentation of chargeable work carried out. Differentiate your brand from the competition by empowering field technicians with Brother mobile print solutions to deliver higher levels of customer service whilst at the same time increasing operational efficiencies.

Applications include:

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

Logistics / Direct Store Delivery

As companies look for ways to increase revenue, increase profitability and improve their customer relations, rugged tablets and mobile handheld devices along with customised software help automate many of the manual delivery tasks that are routinely performed every day. Leaving a printed output at the point of delivery enables field workers to confirm and complete transactions on site, and provide customers with professional looking documents.

Applications include:

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

Public Safety / Emergency Services

Brother RJ mobile printers help 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 and reliable operation, they offer a competitive combination of performance and features which provide benefits to officers printing tickets, parking violations, and much more.

Applications include:

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

Manufacturing / Warehousing

Efficient manufacturing, warehouse 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:

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

RJ2 Series

RJ3 Series

RJ4 Series

Software Support/Features

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.

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.

Bluetooth Imaging Protocol*

Create jpeg files from within your application, then send directly to the printer using Bluetooth wireless connectivity.

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.

* Check model compatibility

Parking Violation

No. 0001

This vehicle is improperly parked.
Reason for Violation:

- [ ] Vehicle has no valid Parking permit
- [ ] Parked in No Parking area
- [ ] Parked in Bus lane
- [ ] Parked in Disabled space
- [ ] Parked in Reserved Space
- [ ] Blocking Access point
- [ ] Blocking other vehicle
- [ ] Parked in 2 spaces
- [ ] Other: _____

Your license number has been recorded.
Additional violations may result in towing
of the vehicle at the owner's expense.

License Plate No.	
Drivers name (if known)	
Vehicle make & Model	

Location: _____ Date _____

brother

Accessories and Print Supplies

	2 Inch (54mm)		
RJ Series	**RJ-2030**	**RJ-2050**	**RJ-2140**
Li-ion rechargeable battery	PA-BT-003	PA-BT-003	PA-BT-003
AC adapter	PA-AD-600	PA-AD-600	PA-AD-600
12v car adapter (in-car socket)	PA-CD-600CG	PA-CD-600CG	PA-CD-600CG
12v car adapter (permanently wired)	PA-CD-600WR	PA-CD-600WR	PA-CD-600WR
Single battery charger	PA-BC-002	PA-BC-002	PA-BC-002
Printer Mounting Kit	N/A	N/A	N/A
Shoulder Strap	PA-SS-4000	PA-SS-4000	PA-SS-4000

	3 Inch (76.2mm)		4 Inch (101.6mm)	
RJ-2150	**RJ-3050**	**RJ-3150**	**RJ-4230B**	**RJ-4250WB**
PA-BT-003	PA-BT-001-B	PA-BT-001-A	PA-BT-006	PA-BT-006
PA-AD-600	PA-AD-600	PA-AD-600	PA-AD-600	PA-AD-600
PA-CD-600CG	PA-CD-600CG	PA-CD-600CG	PA-CD-600CG	PA-CD-600CG
PA-CD-600WR	PA-CD-600WR	PA-CD-600WR	PA-CD-600WR	PA-CD-600WR
PA-BC-002	PA-BC-001	PA-BC-001	N/A	N/A
N/A	N/A	N/A	PA-CR-002	PA-CR-002
PA-SS-4000	PA-SS-4000	PA-SS-4000	PA-SS-4000	PA-SS-4000

Features & Specifications - 2 Inch (54mm)

	RJ-2030	RJ-2050	RJ-2140	RJ-2150
Printing / Media				
Printing technology	Direct thermal			
Print resolution	203dpi			
Print speed*	Maximum 152mm/second (6ips)			
Maximum print width	54mm max for all models			
Maximum print length	1 metre			
Media sensor type	Reflective		Transmissive / Reflective	
Tear bar	Yes			
Media types	Receipt paper		Label rolls / Receipt paper	
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	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 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	-	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)	-	WPA2-PSK (AES)		

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

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 brother.com.au/service-and-support/software-development-kit.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			
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)			
Label Editing Software	BarTender Ultra Lite Edition[1] (except 4250)			
Memory				
RAM	32MB			
Flash	32MB (12MB available for template upload)			
Environmental				
Drop protection	2.5 metres - multiple drops (under Brother standard environment)			
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				
Included items	Printer Li-ion battery Belt clip Documentation			

*Brother standard test environment [1]Sold separately

Features & Specifications - 3 & 4 Inch (76.2mm & 101.6mm)

	RJ-3050	RJ-3150	RJ-4230B	RJ-4250WB
Printing / Media				
Printing technology	Direct thermal			
Print resolution	203dpi			
Print speed*	Maximum 127mm/second (5ips)			
Maximum print width	72mm		104mm	
Maximum print length	1 metre		3 metres	
Media sensor type	Reflective	Transmissive / Reflective	Transmissive / Reflective	
Tear bar	Yes			
Media types	Receipt paper	Label rolls / Receipt paper		
Receipt width	80mm		113mm	
Receipt paper thickness	2.3-3.5 mils (0.058-0.090mm)		2.2-3.5mils (0.058-0.090mm)	
Label width	-	76mm	113mm	
Label thickness	-	3.2-6.7 mils (0.080-0.170 mm)	3.1-6.6 mil (0.080-0.170mm)	
Roll diameter	66mm max		58mm max	
Core diameter	10.2mm (receipt)	10.2mm (receipt) / 25.4mm (labels)	12.7mm (receipt) / 25.4mm (labels)	
LCD				
Type	-	Colour	Monochrome	
Connectivity				
USB	USB version 2.0 full-speed (mini-B connector)			
USB host capability	-	Yes (type A connector)	-	
Bluetooth	Bluetooth 2.1 + EDR (Class 1)		Bluetooth 4.2	
Bluetooth profiles	SPP (Serial Port Profile) OPP (Object Push Profile)		SPP (Serial Port Profile) OPP (Object Push Profile) HCRP (Hard Copy Cable Replacement Profile) iAP supported	
MFi support			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 IEEE802.11a/b/g/n (Infrastructure mode:[a/b/g/n] / Wireless direct mode:[g/n])
Wireless LAN security (AdHoc mode)	None/WEP		-	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) -		-	Authentic method (encryption scheme) *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) *Wireless direct mode -WPA2-PSK (AES)
Wireless LAN security (Wireless direct mode)	WPA2-PSK (AES)		-	
Serial			RS-232C * Using original serial cable	

	RJ-3050	RJ-3150	RJ-4230B	RJ-4250WB
Software / Firmware				
Operating system support	Microsoft® Windows Vista®/ Windows® 7 / Windows® 8 Windows® 8.1 / Windows® 10 Windows® Server 2008/2008 R2 / Windows® Server 2012/2012 R2 Android 2.3 or higher (SDK) iOS 5 or higher (SDK) (visit http://support.brother.com for latest OS support)		Windows 7, Windows 8, Windows 8.1, Windows 10	Windows 7, Windows 8, Windows 8.1, Windows 10, Windows Server 2008/ 2008R2, Windows Server 2012 / 2012 R2/ 2016
Microsoft® WHQL certified drivers	Yes			
SDK availability (visit brother.com.au/service-and-support/software-development-kit.html)	b-PAC (for Windows) Brother Print SDK for Android™ (forAndroid) Brother Print SDK for iPhone/iPad (for iOS)		b-PAC (for Windows) MPrint&PocketJetSDK for Windows Mobile® (for Windows CE 5.0 / 6.0, Windows Mobile 5.0 / 6.x) MPrint&PocketJetSDK for .NET Compact Framework (for Windows CE 5.0 / 6.0, Windows Mobile 5.0 / 6.x) Brother Print SDK for Android™ (for Android) Brother Print SDK for iPhone/iPad (for iOS)	
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	
Label Editing Software	BarTender Ultra Lite Edition[1] (except 4250)			-
Memory				
RAM	32MB		256MB	
Flash	32MB		64MB (6MB usable for template transfer)	
Environmental				
Drop protection*	1.2 metres	1.8 metres	2.1 metres	
Sealing	IP54			
Operating temperature	Operating: -10C to +50C / Charging: 0C to +40C		Operating: -20℃ to +55℃ / Charging: 0℃ to +40℃	
Operating humidity	10%-90% / Maximum web bulb: +27C (no condensation)		10% to 90% (no condensation)	
Storage temperature	-20C to +60C			
Storage humidity	10-90% (no condensation)		10% to 90% (no condensation)	
Power				
Battery	Rechargeable Li-ion (7.2V)		Rechargeable Li-ion (7.2V)	
AC adapter (optional accessory)	110/220V AC (50/60Hz) to 15V DC (only for charging)		110/220V AC (50/60Hz) to 15V DC	
Car adapter (optional accessory)	12V DC (only for charging)		12V DC	
Weights/Dimensions				
Dimensions	113(w) x 80(h) x 186(d) mm	116(w) x 82(h) x 189(d) mm	153(w) x 68(h) x 159(d) mm	
Weight (including battery)	610g	680g	610g (without battery) / 850g (with battery)	
Included items				
Included items	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 locks Documentation	

*Brother standard test environment [1]Sold separately

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at your side

www.brother.com.au

Contact:

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Brother Earth

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