

Rugged, reliable and ready for work

Rugged mobile thermal printers

brother.co.uk/mobile-printers/ruggedjet





**Empower your
workforce to
print labels and
receipts at any
location**

Brother provides a comprehensive range of RuggedJet mobile thermal printers. Ready to use straight from the box, they have impressive print speeds and a rugged build quality to fit the requirements of a wide range of vertical market applications. Bluetooth, wireless and USB connectivity options make it possible for busy mobile workers to print on site or in the field.



RuggedJet mobile thermal 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, RuggedJet carries IP54 certification offering that extra peace of mind for such environments. In addition, The RuggedJet Series is drop tested up to 2.5 metres to provide extra credibility in terms of toughness and reliability.



Trust RuggedJet thermal printers to take on every application

Retail

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



- Shelf edge labels
- Queue busting receipt printing
- Mark down or discount labels
- Price labels
- Food traceability labelling.



Transport and logistics

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



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

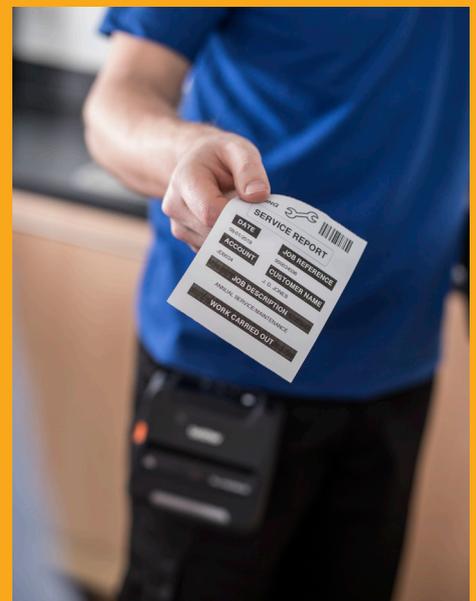


Field service

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



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



Public service

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, the range offers a competitive combination of performance and features.



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



Warehousing

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



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



RuggedJet Series

Range overview

RJ-2030	RJ-2050	RJ-2140	RJ-2150	RJ-3050	RJ-3150	RJ-4230B	RJ-4250WB
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2"

3"

4"

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

Receipt	●	●	●	●	●	●	●
Labels			●	●		●	●

Connectivity

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

General

IP rating	IP54		IP54		IP54	
Drop protection (metres)	Up to 2.5		Up to 1.2	Up to 1.8	Up to 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	

Up to 2"



RJ-2030



RJ-2050



RJ-2140



RJ-2150

Up to 3"



RJ-3050



RJ-3150

Up to 4"



RJ-4230B



RJ-4250WB



**Customise your
RuggedJet
printer with
a great range
of accessories**

Accessories and print supplies

Brother has designed and engineered a wide range of accessories to provide a customised solution to your requirements.

Power options

PA-BT-003

Li-ion rechargeable battery

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



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

Li-ion rechargeable battery

RJ-3050 | RJ-3150



PA-BT-006

Rechargeable Li-ion smart battery

RJ-4230B |
RJ-4250WB



PA-CD-600UK

AC adaptor (UK)

Complete RJ Series



PA-CD-600CG

Car adaptor (cigarette)

Complete RJ Series



PA-CD-600WR

Car adaptor (wired)

Complete RJ Series



Battery eliminator kits

Optional items for battery eliminators

RJ-4230B | RJ-4250WB

PA-BEK-001WR Wire kit contents:



PA-BE-001WR

PA-BP-001

PA-BEK-001CG Cigar socket kit contents:



PA-BE-001CG

PA-BP-001

Additional options

PA-BC-002

Battery charging unit (single)

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



PA-BC-001

Battery charging unit (single)

RJ-3050 | RJ-3150



PA-BC-003

Battery charging unit (single)

RJ-4230B | RJ-4250WB



PA-CR-001

Charging cradle

RJ-3050 | RJ-3150



PA-CR-002A

Car mount /charging cradle

RJ-4230B | RJ-4250WB



PA-SS-4000

Shoulder strap

Complete RJ Series



Media options

RD-R03E5

Continuous receipt roll

Roll size:
58mm x 12m
Colour: white

RJ-2000 series



RD-Q04E1

Die-cut label rolls

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

RJ-2140 / RJ-2150



RD-P08E5

Continuous receipt roll

Roll size:
76mm x 35m
Colour: white

RJ-3000 series



RD-P09E1

Die cut label rolls

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

RJ-3150



RD-M01E5

Continuous receipt roll

Roll size:
102mm x 27.5m
Colour: white

RJ-4200 series



RD-M03E1

Die cut label rolls

Label size:
102mm x 152mm
Colour: white
Quantity:
70 per roll

RJ-4200 series



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.

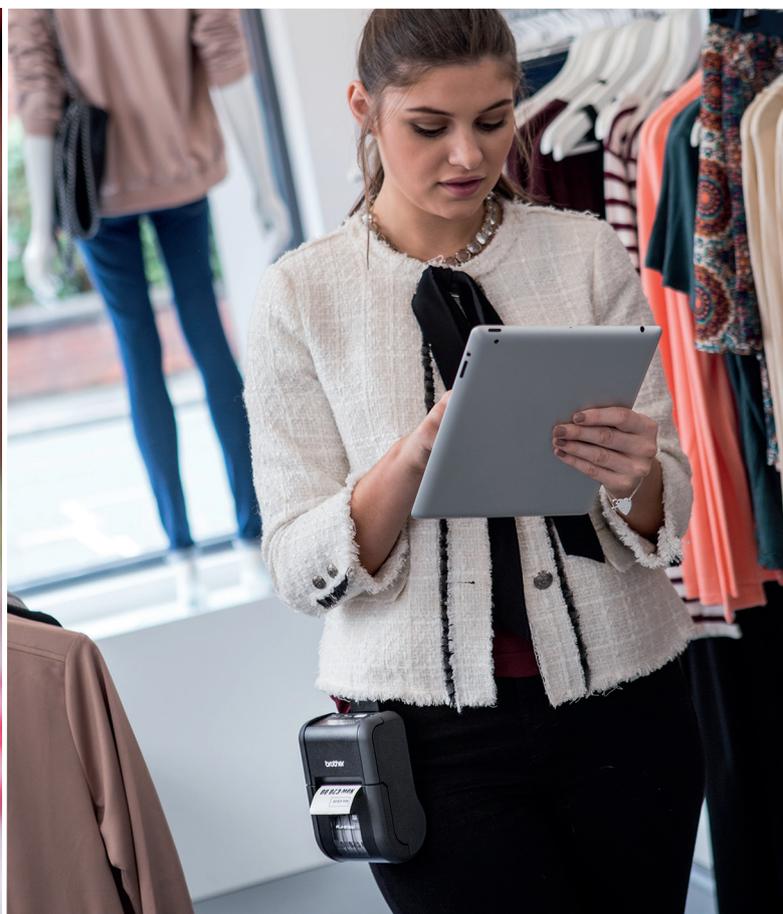
AirPrint* and MFi* support

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

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>



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.

Mobile Deploy

Mobile Deploy is a cloud-based app that performs a complete printer configuration using a smart phone or tablet. The update process is easy, requiring a simple push of a button by the printer operator and Mobile Deploy transfers the full update and configuration. Companies can now maintain and update their entire fleet of Brother mobile printers simultaneously and instantaneously with a click of a button!



Simple setup

Simply install the app on the devices and load the URL provided by your administrator.

Simultaneous distribution

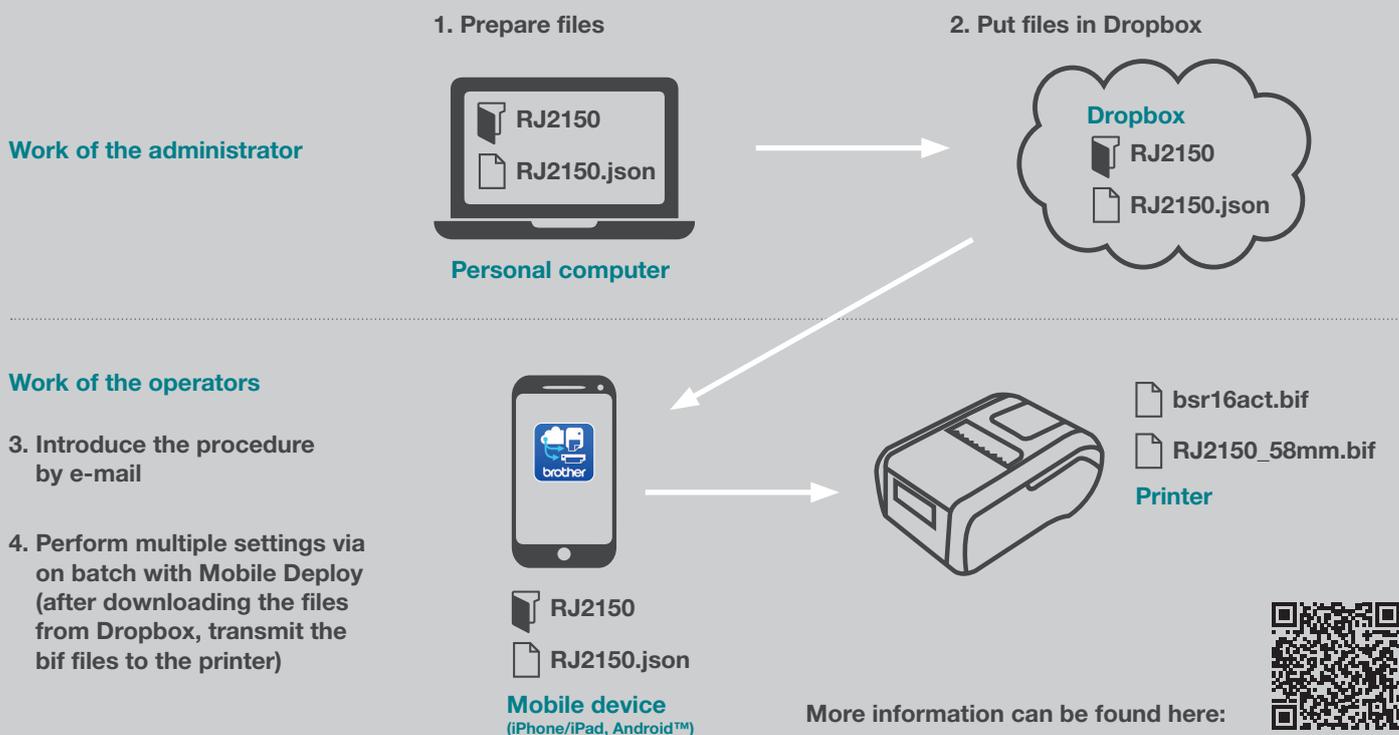
Post once and all printers in the field get updated.

Auto update check

The app automatically checks for updates that have been posted.

Complete updates

Firmware, settings, fonts, and templates can all be updated.



Compatible models: RJ-2000 Series, RJ-3000 Series, RJ-4200 Series, PJ-763, PJ-763MFi, PJ-773

RuggedJet Series

2"



RJ-2030 (2")

RJ-2050 (2")

RJ-2140 (2")

RJ-2150 (2")

Printing and 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
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Connectivity

USB	USB version 2.0 full-speed (mini-B connector)		
USB host capability	-		
Bluetooth	Bluetooth 2.1+EDR		
Bluetooth profiles	Serial Port Profile (SPP) Object Push Profile (OPP) Basic Imaging Profile (BIP) Hard Copy Cable Replacement Profile (HCRP)	Serial Port Profile (SPP) Object Push Profile (OPP) Basic Imaging Profile (BIP) Hard Copy Cable Replacement Profile (HCRP) 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 (2")

RJ-2050 (2")

RJ-2140 (2")

RJ-2150 (2")

Software and 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 adaptor (optional accessory)	100-240V AC (50/60Hz) to 15V DC (only for charging)
Car adaptor (optional accessory)	12V DC (only for charging)

Weights and 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, documentation
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RuggedJet Series

3" and 4"



RJ-3050 (3")

RJ-3150 (3")

RJ-4230B (4")

RJ-4250WB (4")

Printing and media

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 mil (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 mil (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

Type	-	Colour	Mono
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Connectivity

USB	Yes		
USB host capability	-	Type A connector	-
Bluetooth	Bluetooth 2.1+EDR		Bluetooth 4.2 (supporting low energy)
Bluetooth profiles	Serial Port Profile (SPP) Object Push Profile (OPP)		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	IEEE802.11 [b/g/n] Infrastructure mode / Wireless direct mode: [b/g/n] Adhoc mode: [b] Wireless direct mode: [b/g/n]		- 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 (3")

RJ-3150 (3")

RJ-4230B (4")

RJ-4250WB (4")

Software and firmware

Operating system support

Visit: <https://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 Intelligent 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
Flash	32MB	64MB

Environmental

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 adaptor: -10°C to 40°C Car adaptor: -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

Battery (option)	Rechargeable Li-ion (7.2V)	Rechargeable Li-ion (7.2V) smart battery
AC adaptor (optional accessory)	AC adaptor (15 V) only for charging (50/60Hz)	
Car adaptor (optional accessory)	Cigarette car adaptor or wired type (12 V (DC)) only for charging	
Battery eliminator kit (optional accessory)	Wired or Cigarette Socket battery eliminator kit	

Weights and dimensions

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)
Weight (including battery)	610g	680g	850g

Included items

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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brother
at your side

Contact:

brother.co.uk/mobile-printers/ruggedjet

Brother UK Ltd

Shepley Street, Audenshaw,
Manchester M34 5JD

Tel: +44 (0) 161 333 777 4444

Fax: +44 (0) 161 931 2218

E-mail: enquiries@brother-uk.com