



Brother RuggedJet 3200 Series

3-INCH MOBILE LABEL & RECEIPT PRINTERS

Product datasheet

RJ-3230BL

RJ-3250WBL

**Easily paired and connected
rugged mobile printers**



The right technology, at the right time.

Meet our most feature-packed yet compact high-capacity three-inch label printer ever – with all the right tech for your rapidly changing work. Connect effortlessly with MFi, NFC pairing, and both *Bluetooth*® and Wi-Fi® radios. Stay connected with a cutting-edge microprocessor, and sprint through demanding print jobs with all-day battery efficiency. Count on multiple charging options and mobile device management software to keep your operation going strong. And get extra durability from the inside out for whatever the job throws your way. It's the rugged printing solution that just works, with price points and lifetime* support you'll hardly believe.

							Direct Thermal
RJ-3230BL		●	●	●	203	5 ips	●
RJ-3250WBL	●	●	●	●	203	5 ips	●

Key features

- **Leading technology:** Superior OS compatibility, *Bluetooth*® 5.0 and 5GHz Wi-Fi connectivity, MFi, 802.1x security, USB-C communications and charging support, plus mobile device management solutions. Find all this and more in a purposefully compact design that doesn't compromise durability.
- **Simple system integration:** Drop-in emulation compatibility with leading software and operating systems plus zero-cost adoption make it easy to upgrade your label printing technology.

- **End-to-end affordability:** Not only do you save on hardware when you choose RuggedJet 3200 over similar solutions, you also get fully supported development and implementation – at no cost to you – and convenient options to buy or subscribe.
- **Lifetime* support:** From the development and integration of your printer to ongoing tech support, Brother combines superior “at your side” service with a two-year Premier Limited Warranty (including printheads).

Industry applications

These mobile printers are ideally suited for the following markets:



Retail

- Barcode labels
- Shelf labels
- Markdown & return labels
- Product labels

Transport & logistics (warehouse)

- Bin & pallet labels
- Product ID labels
- Secondary packing labels
- Order preparation “picking”

Public safety

- Citations
- Evidence labels
- Parking violations

Field services

- Service tags and labels
- Calibration labels
- Content labels

Healthcare

- Specimen labels
- Phlebotomy labels
- Barcoded patient ID labels

Route accounting/ DSD

- Invoices
- Delivery receipts
- Change order receipts



Supplies*

Find Premium label rolls for all your applications. Custom options also available.



Accessories*

We offer an optional label peeler, optional Ethernet cradles, and adapters, as well as replacement printheads.



Extended warranty service*

Extend the useful life of your printer by adding an extended service program at any point while your printer is still under warranty.

Software tools for easy integration and label design



*Additional purchase required.

RJ-3230BL

RJ-3250WBL

RJ-3230BL

RJ-3250WBL

Printing

Print Technology	Direct Thermal
Print Head Resolution	203dpi (8 dots/mm)
Print Speed ¹	Up to 5ips (127mm/sec)
Max Media/Print Width	3.15" (80mm)/2.8" (72mm)
Maximum Print Length	118.1 in. (3m)
Print Length (Min)	Die-cut: 0.24 in. (6.0mm) Media w/ mark: 0.5 in. (12.7 mm) Continuous: 0.47 in. (12.0 mm)
Printer Sensors	Transmissive, Reflective
Sensor Position	Off Center (supports gap sensing of multiple labels across the width)
Optional Kits	Up/Down Double Tearbar (standard installed) Auto Load Peeler with Label Taken Sensor Liner Free Platen with Tearbar

Physical Characteristics

Weight	807g w/battery
Dimensions (W x H x L)	4.6"(W) x 7.1"(D) x 3.0"(H) 117 mm(W) x 180 mm(D) x 77 mm(H)

Memory

Memory	256 MB RAM; 128 MB Flash (standard)
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Environment

Drop Protection	Tolerance of multiple drops from 6.56 ft./2.0 m
Sealing	IP54 dust- and water-resistance rating (without case)
Operating Temperature	Operate: -4°F to 131°F/-20°C to 55°C 14°F to 95°F/-10°C to 35°C (with peeler) 50°F to 86°F/10°C to 30°C (with linerless) Charge: 32°F to 104°F/0°C to 40°C
Operating Humidity	10% to 90% non-condensing 50% (with peeler/linerless)
Storage Temperature	-4°F to 140°F/-20°C to 60°C
Storage Humidity	10% to 90% non-condensing



Communications/Interface

USB	USB Ver.2.0 (Full Speed) (Type C) USB Type C w/charging	
Bluetooth	Bluetooth Ver.5.0 MF	
Bluetooth Profile	Supported profiles: SPP, OPP, HCRP, GATT Supported protocol: iAP	
NFC	Yes (Passive)	
Ethernet	10 or 100Mbps Ethernet auto detect when docked in cradle	
Wired LAN Security	SSL/TLS1.0/1.1/1.2 (HTTPS, IPPS) SNMPv3, 802.1x (EAP-MD5, EAP-FAST, PEAP, EAP-TLS, EAP-TTLS)	
AirPrint	No	Yes
Wireless LAN	No	Wireless LAN (5GHz) IEEE 802.11 a/n, 802.11i, 802.11r, WPS2.0 (Infrastructure Mode) Wireless LAN(2.4GHz) IEEE 802.11 b/g/n, 802.11i, 802.11r, WPS2.0 (Infrastructure Mode) IEEE 802.11 g/n, 802.11d, 802.11i (Wireless Direct mode)
Wireless LAN Security	No	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)
Time Function	NTP (Network Time Protocol) support via Ethernet *No RTC battery	NTP (Network Time Protocol) support via WiFi or Ethernet *No RTC battery
Control Panel	1 LED with Four Buttons	
LCD	Mono LCD with Back Light (120 x 35 dots)	

Included Items (in individual carton)

Printer
Lithium-Ion Battery
Belt Clip
Roll Holder Hubs
Roll Holder Stop
Product Documentation

Agency Compliance

EMC	FCC, ICES
Safety	UL, CSA
Energy Star	Yes

Software

Supported Printer Driver	Microsoft® Windows® 7 / 8.1 / 10 Microsoft® Windows Server® 2012 / 2012 R2 / 2016 / 2019
WHQL certified	Yes
SDK	Android 6 or later iOS 10 or later* *Supports Bluetooth communication from ver. 12.01 or later. For the latest information, see the developer's website.
Printer Command and Command emulation	Raster ESC/P P-touch Template ZPL II emulation CPCL emulation (CPCL page print mode / CPCL line print mode)
Internal Barcode (2D Code) Symbologies	<p>Common CODE39, ITF(I-2/5), EAN-8, EAN-13, UPC-A, UPC-E, CODABAR(NW-7), Aztec, POSTNET, CODE128, GS1-128(UCC/EAN-128), GS1 DataBar (Standard, Truncated, Stacked, Stacked Omnidirectional), GS1 DataBar Limited, GS1 DataBar Expanded (Standard, Stacked), QR Code, PDF417, MaxiCode</p> <p>Additional ESC/P mode CODE93, UPC/EAN EXTENSION, MSI, Intelligent Mail Barcode, Micro QR Code, MicroPDF417, DataMatrix</p> <p>Additional P-touchTemplate mode GS1 Databar Composite, Intelligent Mail Barcode, Micro QR Code, MicroPDF417, DataMatrix</p> <p>Additional ZPL II mode GS1 Databar Composite, CODE93, UPC/EAN EXTENSION, MSI, Intelligent Mail Barcode, MicroPDF417, DataMatrix, Industrial 2-of-5, Standard 2-of-5</p> <p>Additional CPCL mode GS1 Databar Composite, CODE93, MSI</p>

Software

Internal Font and Size	<p>ESC/P Bitmap font: Gothic 3 size<16,24,32dot>, Letter Gothic Bold, Helsinki 4 size<16,24,32,48dot>, Brussels, San Diego, Brougham 3 size<24,32,48dot> Outline font: Gothic, Letter Gothic, Helsinki, Brussel, Max size: 400dot</p> <p>P-touch Template Outline font: Gothic, Letter Gothic, Helsinki, Brussel, Max: 400dot</p> <p>ZPL II Bitmap font: Letter, Gothic (A,B,C,D,F,G) 5 size<9, 11, 18, 26, 56dot>, BR-OCRB(E) 1 size<28dot>, BR-OCRA(H) 1 size<21dot>, Special Symbol 1 size<24dot> Outline font: Utah Condensed Bold (0)</p> <p>CPCL Bitmap font: Standard (0) 1 size<16dot>, Script (1) 1 size<48dot>, OCR-A (2) 2 size<12, 24dot>, Unison (4) 3 size<45, 48, 90dot>, Manhattan (5) 2 size<25, 46dot>, MICR (6) 1 size<27dot>, Warwick (7) 1 size<25dot> Outline font: CG Times, CG Triumvirate, Helvetica, Japanese character</p>
Others	<p>Filter Function Brother Adaptive Interface (Flexible Programming Language) P-touch Template Mark-down feature (for mark down calculation)</p> <p>Unique Software Programmable QR Code on Self Test Font Manager (for font downloading) Mobile Deploy (for batch field updates) BRAAdmin Pro4 (for device management) P-touch Editor 5.4 (for label design, printing, and template transfer)</p>
Management	SOTI BRAAdmin Pro4
Software Partners	SOTI BarTender NiceLabel Teklynx SAP

¹Based on performance tests using Brother certified media, actual results may vary in actual applications

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