



 DATASHEET

Brother RuggedJet 3200 Series

Easily paired and
connected 3-inch
rugged mobile printers

Product SKUs

RJ-3235B-L

RJ-3235B-LCP

RJ-3235B-LF

RJ-3255WB-L

RJ-3255WB-LCP

RJ-3255WB-LF



RUGGEDJET 3200 SERIES

The right technology, at the right time.

Meet our feature-packed, compact, high-capacity 3-inch label printer – with all the right tech for your rapidly changing work. Stay connected with an advanced microprocessor, and sprint through demanding print jobs with all-day battery efficiency. Count on durability, multiple charging options and mobile device management software to keep your operation going strong. It's the rugged printing solution with price points and lifetime support¹ that your mobile workforce needs.



	Wi-Fi®	AirPrint®	USB-C	Bluetooth® Dual Mode (Classic + LE)	MFi (Bluetooth®)	NFC	Battery Included	Linerless	Charging cradle enabled
RJ-3235B-L			✓	✓	✓	✓	✓		
RJ-3235B-LCP			✓	✓	✓	✓	✓		✓
RJ-3235B-LF			✓	✓	✓	✓	✓	✓	
RJ-3255WB-L	✓	✓	✓	✓	✓	✓	✓		
RJ-3255WB-LCP	✓	✓	✓	✓	✓	✓	✓		✓
RJ-3255WB-LF	✓	✓	✓	✓	✓	✓	✓	✓	

Key features



Seamless Connectivity: Advanced processing power combined with Bluetooth® Dual Mode (Classic + LE) and Wi-Fi® connectivity options you need to get connected and stay connected. Print from almost any device with leading iOS® and Android™ compatibility.



Powerfully Portable: Compact enough to wear or carry for a full 8-hour shift, produce more labels for longer, and a long-lasting battery life to keep employees more efficient on the job. All with leading prints speeds up to 5ips^{2,3} and a conveniently lightweight design.



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.



Lifetime support¹: 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.



Rugged design: Get extreme reliability with extra internal protection during unexpected drops. Plus molded rubber housing, purposefully positioned top displays, and industrial-grade buttons to safeguard the printer exterior.

¹ Support provided for the life of the product

² Based on performance tests using Brother certified media. Actual results may vary by application

³ Features will vary by model

Learn more about
the RuggedJet 3 Series



Industry applications

These mobile printers are ideally suited for the following markets:



Retail

- Product labels & tags
- Shelf-edge labels
- Return & markdown labels
- Online order pickup labels
- Queue-busting receipts

Warehouse & Distribution Centers

- Product ID labels
- Secondary packing labels
- Order preparation “picking”

Public Sector

- Evidence labels
- Parking violations

Field Service

- Service tags and labels
- Calibration labels
- Content labels

Healthcare

- Specimen labels
- Phlebotomy labels
- Barcoded patient ID labels

Transportation & Route DSD

- Invoices
- Proof-of-delivery receipts
- Change order & sales receipts



Supplies*

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



Accessories*

Customize your printer to meet your workflow with an optional label peeler, Ethernet cradles, adapters and replacement printheads.



Extended warranty service*

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

Get in contact

800-543-6144
MobileSales@Brother.com
BrotherMobileSolutions.com

Each sold separately. Additional purchase required.

Software tools for easy integration and label design



RJ-3235B-L
RJ-3235B-LCP
RJ-3235B-LF

RJ-3255WB-L
RJ-3255WB-LCP
RJ-3255WB-LF

Printing specification

Method	Direct thermal
Resolution	203dpi
Max print speed	Up to 5ips (127mm/sec)
Max print width	2.8in (72mm)
Max print length	3m (118.1in)
Min print length	Die-cut: 0.24in (6.0mm) Media with mark: 0.5in (12.7mm) Continuous: 0.47in (12.0mm); except cutting performance
Sensor type	Transmissive, reflective
Sensor position	Off center
Cutter	Double tear bar (when tearing up 2.6mm (0.1in) or longer)
Internal fonts and size	<u>ESC/P</u> Bitmap font: Gothic three sizes (16dot, 24dot, 32dot), Letter Gothic Bold, Helsinki four sizes (16dot, 24dot, 32dot, 48dot), Brussels, San Diego, Brougham three sizes (24dot, 32dot, 48dot); Outline font: Gothic, Letter Gothic, Helsinki, Brussel, Max size: 400dot <u>P-touch Template</u> Outline font: Gothic, Letter Gothic, Helsinki, Brussel, Max: 400dot <u>ZPL II</u> Bitmap font: Letter, Gothic (A,B,C,D,F,G) five sizes (9dot, 11dot, 18dot, 26dot, 56dot), BR-OCRB(E) one size (28dot), BR-OCRA(H) one size (21dot), Special Symbol one size (24dot); Outline font: Utah Condensed Bold (0) <u>CPCL</u> Bitmap font: Standard (0) one size (16dot), Script (1) one size (48dot), OCR-A (2) two sizes (12dot, 24dot), Unison (4) three sizes (45dot, 48dot, 90dot), Manhattan (5) two sizes (25dot, 46dot), MICR (6) one size (27dot), Warwick (7) one size (25dot)

Physical characteristics

Weight	810g (1.79lb) with battery
Dimensions	117mm X 180mm X 77mm (4.6in X 7.09in X 3.03in)
Control panel	1 LED for error condition and battery health, 3 menu buttons and 1 power button
LCD	Mono LCD with back light 40.5mm x 13.5mm (1.59in x 0.53in)
Time function	NTP (Network Time Protocol) support via Ethernet; no real time clock feature
Memory	256MB RAM, 128MB FLASH (standard)
Battery	Smart battery, 7.2V, 3000mAh, 21.6Wh (rechargeable)
Battery yield	Continuously printing 15,000 labels (using Brother test conditions: label size 76mm x 29mm (2.99in x 1.14in) with 11% print density at 23° C (73.4° F))
Battery charging time	4 hours
Battery cycle	300 times (charged and discharged)
AC adapter (optional)	AC adapter (15V)
Cradle (optional)	Single cradle: single bay Ethernet and charging cradle for charging 4-bay cradle: quad bay Ethernet and charging cradle for charging
Car adapter (optional)	Cigarette car adapter or wired type (12V (DC))
Charging cradle (optional)	1-bay and 5-bay charging cradles available (SKUs: RJ-3235B-LCP, RJ-3255WB-LCP)

Media specifications

Media type	Receipt, gap/black mark label, tag, linerless (SKUs: RJ-3235B-LF, RJ-3255WB-LF)
Peeler	Optional (N/A to linerless models)
Max media width	80mm (3.15in) 58 / 55 mm (with black mark only)
Min media width	24.5mm (0.96in)

	RJ-3235B-L RJ-3235B-LCP RJ-3235B-LF	RJ-3255WB-L RJ-3255WB-LCP RJ-3255WB-LF
Media thickness	Label: 3.1mil to 6.6mil (0.080mm to 0.170mm) Tag: 3.5mil to 5.5mil (0.090mm to 0.140mm) Receipt: 2.2mil to 3.5mil (0.058mm to 0.090mm)	
Roll diameter (max)	66mm (2.6in)	
Inner core diameter (min)	12.7mm (0.5in)	
Connectivity & software		
Standard interfaces	USB Ver.2.0 (Full Speed) (Type C), USB host - not supported, Bluetooth® Dual Mode (Classic + LE), Bluetooth profiles supported: SPP, OPP, HCRP, GATT, iAP for accessing iOS®, MFI	
Wireless LAN	N/A	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	N/A	Ad hoc Mode: N/A Infrastructure Mode: Personal mode: Open System None/WEP Public Key Authentication WEP WPA/WPA2-PSK/WPA3-SAE (TKIP+AES / AES), WPA3-SAE (AES) Enterprise mode: EAP-FAST (TKIP/AES) PEAP (TKIP/AES) EAP-TLS (TKIP/AES) EAP-TTLS (TKIP/AES) Wireless direct Mode: WPA2-PSK (AES)
Ethernet	10 or 100Mbps Ethernet auto detect (when docked in cradle)	
Ethernet security	SSL/TLS1.0/1.1/1.2/1.3 (HTTPS, IPPS) SNMPv3, 802.1x (EAP-MD5, EAP-FAST, PEAP, EAP-TLS, EAP-TTLS)	
Internet protocol	N/A	IPv4: ARP, RARP, BOOTP, DHCP, APIPA (Auto IP), WINS/NetBIOS Name Resolution, DNS Resolver, mDNS, LLMNR Responder, LPR/LPD, Custom Raw Port/Port9100, IPP/IPPS, FTP Client and Server, SNMPv1/v2c/v3, HTTP/HTTPS Client and Server, TFTP Server, ICMP, Web Services (Print), SNTP Client IPv6: NDP, RA, DNS Resolver, mDNS, LLMNR Responder, LPR/LPD, Custom Raw Port/Port9100, IPP/IPPS, FTP Client and Server, SNMPv1/v2c/v3, HTTP/HTTPS Client and Server, TFTP Server, ICMPv6, Web Services (Print), SNTP Client
AirPrint®	No	Yes
NFC	Passive only	
Supported printer driver (Windows)	10, 11	10, 11, Server 2016, 2019, 2022, 2025
WHQL certified	Yes	
Windows logo	No	
SDK	Android™ 8 to 15 or later, iOS® 15 to 18 or later	
Supported command	Raster, ESC/P, P-touch Template, ZPL emulation, CPCL emulation (CPCL page print mode/ CPCL line print mode) SBPL emulation (JP model only)	
Barcode (2D code) symbologies	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	

RJ-3235B-L
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RJ-3235B-LF

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Environment

Drop protection	Tolerance of multiple drops from 6.56ft. (2m)
Tumble test	100 free falls from 1.0m (under Brother test conditions)
Shock and vibration exposure	MIL-STD-810g military standards
Sealing	IP54 dust- and water-resistance rating (without case)
Operating temperature	Battery: 5° F to 122° F (-15° C to 50° C) (Recommended Temperature is 32° F to 104° F (0° C to 40° C)) Label peeler in use: 14° F to 95° F (-10° C to 35° C) Linerless platen in use: 50° F to 86° F (10° C to 30° C)
Charging temperature	32° F to 104° F (0° C to 40° C)
Operating humidity	10% to 90% non-condensing, max wet bulb temperature: 80.6° F (27° C) 10% to 50% when label peeler and linerless platen is used, no condensation, max wet bulb temperature: 80.6° F (27° C)
Storage temperature	-22°F to 150°F/-20°C to 60° C
Storage Humidity	10% to 95% non-condensing, max wet bulb: 80.6° F (27° C)

General

Box contents	Printer, battery, belt clip, documents
Reliability	MTTF 30km
EMC	(US SKU) FCC, ICES / [EU SKU] CE, UKCA / [JP SKU] VCCI
Safety	UL, CSA
Radio	FCC, Part15 ClassB, RSS
Energy Star	Yes
Warranty	2 Years Premier Limited Warranty