



 DATASHEET

Brother RuggedJet 4200 Series

Robust 4-inch mobile
printing for tough jobs

Product SKUs

RJ-4235B

RJ-4235B-L

RJ-4235B-LCP

RJ-4235B-LF

RJ-4255WB

RJ-4255WB-L

RJ-4255WB-LCP

RJ-4255WB-LF



RUGGEDJET 4200 SERIES

Built for Real Work.

Designed and engineered based on the real feedback of real customers, the RuggedJet 4200 Series doesn't just raise the bar on performance, ruggedness, and connectivity – it redefines the bar. With durability, speed, battery life, drop protection, broad range connectivity and accessories that support on-the-go professionals – all in a rugged, compact design – these powerfully portable printers are a uniquely competitive solution for today's busy mobile workforces. They're everything you need for real work, real speed, real durability, real integration, and real mobility.



| | Wi-Fi® | AirPrint® | USB-C® | Bluetooth® Dual Mode (Classic + LE) | NFC | Battery included | Linerless | Charging cradle enabled |
|---------------|--------|-----------|--------|---|-----|---------------------|-----------|-------------------------------|
| RJ-4235B | | | ✓ | ✓ | ✓ | | | |
| RJ-4235B-L | | | ✓ | ✓ | ✓ | ✓ | | |
| RJ-4235B-LF | | | ✓ | ✓ | ✓ | ✓ | ✓ | |
| RJ-4235B-LCP | | | ✓ | ✓ | ✓ | ✓ | | ✓ |
| RJ-4255WB | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| RJ-4255WB-L | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| RJ-4255WB-LCP | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ |
| RJ-4255WB-LF | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |

Key features



Performance: Wear, carry, or mount this lightweight printer with a reinforced belt clip, versatile docking connectors, and fast-release docking points.



Easy to use: Experience simple loading, one-touch pairing, and remote updates and configuration with the free Mobile Deploy app¹.



Support: Reinforced parts, industrial-grade buttons, molded rubber housing, and enhanced drop protection take durability to a new level.



Connected: Get connected easily with Bluetooth Dual Mode (Classic + LE) and Wi-Fi®, plus NFC for easy device pairing and AirPrint®.



Powerful: Enhanced print speeds up to 5ips, industry-leading battery life and a real-time battery status indicator to help boost efficiency.



Warranty & service: Two-year premier limited warranty and free phone support for the life of your product.

¹App download and wireless connection required.
Compatibility may vary by device, operating system and printer used.

Learn more about
the RuggedJet Series



Industry applications

These mobile printers are ideally suited for the following markets:



Transportation and Route DSD

- Delivery receipts & documents
- Customer invoices
- Returned goods receipts & labels
- Sales orders & confirmations
- Sales order history
- Product promotions

Public Sector

- eCitations
- Parking & code violations

- Accident/crime scene information
- Evidence labels
- Warning notices
- Inspection notices
- Permits & receipts
- Office tags

Warehouse & Manufacturing

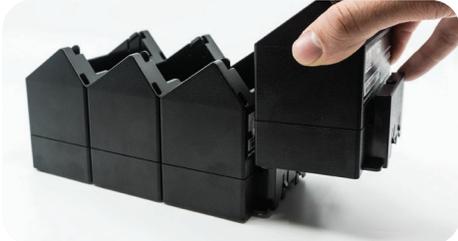
- Serial number labels
- Picking & packing labels
- Shipping labels
- Barcode labels
- Mobile forklift printing



Supplies

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

*Sold separately, additional purchase required.



Accessories

Optional accessories* include extra batteries, shoulder strap, belt clip, DC vehicle adapter, AC charger, battery charger, carrying cases, and mounts.



Extended warranty service

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

Get in contact

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

Software tools for easy integration and label design



RJ-4235B
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RJ-4235B-LF

RJ-4255WB
RJ-4255WB-L
RJ-4255WB-LCP
RJ-4255WB-LF

Printing specification

| | |
|-------------------------|--|
| Method | Direct thermal |
| Resolution | 203dpi |
| Max print speed | Up to 5ips (127mm/sec) |
| Max print width | 4.09in (104mm) |
| Max print length | 3m (118.1in) |
| Min print length | 12.7mm (0.5in) |
| Sensor type | Transmissive, reflective |
| Cutter | Double tear bar (when tearing up 2.6mm (0.1in) or longer) |
| Sensor position | Off center |
| Internal fonts and size | <p><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</p> <p><u>P-touch Template</u> Outline font: Gothic, Letter Gothic, Helsinki, Brussel, Max: 400dot</p> <p><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)</p> <p><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)</p> |

Physical characteristics

| | |
|----------------------------|---|
| Weight | 1.58lbs (717g) without battery, 1.87lbs (850g) with battery |
| Dimensions | 153mm (W) x 159mm (D) x 68mm (H) 6.02in x 6.26in x 2.68in |
| 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) |
| Real time clock | No |
| Memory | 256MB RAM/ 64MB (user area 42MB) flash |
| Battery | Rechargeable Li-ion smart battery: 7.2V 3.00 Ahr |
| Battery yield | 10,000 labels (using Brother test conditions: label size 50mm x 30mm (1.97in x 1.18in) with 11% print density at 23° C (73.4° F)) |
| Battery charging time | 4hrs |
| Battery cycle | 300 times (charged and discharged) |
| AC adapter (optional) | AC adapter (15 V) |
| Car adapter (optional) | Cigarette car adapter or wired type (12V (DC)) |
| Charging cradle (optional) | 1-bay and 5-bay charging cradles available (SKUs: RJ-4235B-LCP, RJ-4255WB-LCP) |

Media specifications

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|---------------------|--|
| Media type | Receipt, gap/black mark label, tag, linerless (SKUs: RJ-4235B-LF, RJ-4255WB-LF) |
| Peeler | No |
| Max media width | 114mm (4.49in) |
| Min media width | 45mm (1.77in) |
| Media thickness | Receipt: 2.2mil to 3.5mil (0.058mm to 0.090mm) Tag: 3.5mil to 5.3mil (0.090mm to 0.135mm) Label: 3.1mil to 6.6mil (0.080mm to 0.170mm) |
| Roll diameter (max) | 58mm (2.28in) |
| Core diameter | Label: 19mm (0.75in) to 25.4mm (1in) Tag/linerless label: 25.4mm (1in) |

| | | |
|--|---|---|
| | RJ-4235B RJ-4235B-L RJ-4235B-LCP RJ-4235B-LF | RJ-4255WB RJ-4255WB-L RJ-4255WB-LCP RJ-4255WB-LF |
|--|---|---|

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 (Wireless LAN IEEE802.11a/b/g/n (Infrastructure mode:[a/b/g/n] / Wireless direct mode:[g/n])) | |
| Wireless LAN security | N/A | Infrastructure Mode: Personal mode: Open System (None, WEP 64/128 bit); Common Key Authentication (WEP 64/128 bit), WPA/WPA2-PSK/WPA3-SAE (TKIP+AES, AES), WPA3-SAE (AES) Enterprise mode: EAP-FAST (TKIP+AES, AES), PEAP (TKIP+AES, AES), EAP-TLS (TKIP+AES, AES), EAP-TTLS (TKIP+AES, AES) Wireless Direct Mode: WPA2-PSK (AES) Ad-hoc Mode: N/A |
| 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/PPS, FTP Client and Server, SNMPv1/v2c/v3, HTTP/HTTPS Client and Server, TFTP Server, ICMP, Web Services (Print), SMTP Client IPv6: NDP, RA, DNS Resolver, mDNS, LLMNR Responder, LPR/LPD, Custom Raw Port/Port9100, IPP/PPS, FTP Client and Server, ICMPv6, Web Services (Print), SMTP Client |
| NFC | Passive only | |
| Supported printer driver | 10, 11 | 10, 11, Server 2016, 2019, 2022, 2025 |
| WHQL certified | Yes | |
| Windows logo | No | |
| SDK | Android™ 8 - 15 or later, iOS® 15 - 18 or later | |
| Supported command | Raster, ESC/P, P-touch Template, ZPL emulation, CPCL emulation (CPCL page print mode / CPCL line print mode) | |
| Barcode (2D code) symbologies | Linear: CODE 39, ITF (1-2/5), 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 | |

Environment

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|------------------------------|--|--|
| Drop protection | 2.1m (6.9ft), multiple drops to concrete (Results in a controlled test environment. Actual results and performance may vary.) | |
| Tumble test | 1m (3.3ft) x 500 times without opening the roll cover, breaking nor malfunction | |
| Shock and vibration exposure | MIL-STD-810g (third-party-verified) | |
| Sealing | IP54 | |
| Operating temperature | Battery: 5° F to 122° F (-15° C to 50° C) AC adapter (optional): 14° F to 104° F (-10° C to 40° C) Car adapter (optional): 14° F to 122° F (-10° C to 50° C) | |
| Charging temperature | 32° F to 104° F/0° C to 40° C | |
| Operating humidity | 10% to 90% non-condensing, max wet bulb: 27° C | |
| Storage temperature | -22° F to 150° F/-20° C to 60° C | |
| Storage humidity | 10% to 90% non-condensing, max wet bulb: 45° C | |

General

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|--------------|--|--|
| Box contents | Printer, battery, belt clip, documents | |
| EMC | (US SKU) FCC, ICES / [EU SKU] CE, UKCA / [JP SKU] VCCI | |
| Safety | FCC Part15 ClassB | |
| Radio | UL, CE, CSA | |
| Warranty | 2 Years Premier Limited Warranty | |