

# Specifications

## QL-800

## QL-810W

## QL-820NWB

| Included items   |  |   |   |
|--|--|---|---|
| <b>In the box</b>  | Printer<br>Standard address die-cut labels (100 labels)<br>2-colour print continuous roll (62mm x 5 metres)<br>USB cable<br>AC power cord<br>Documentation   | Printer<br>Standard address die-cut labels (100 labels)<br>2-colour print continuous roll (62mm x 5 metres)<br>USB cable<br>AC adapter and power cord<br>Documentation  |   |
| Software / Firmware  |  |   |   |
| <b>Operating system support</b><br>(visit <a href="http://support.brother.com">http://support.brother.com</a> for latest downloads and support)  | Microsoft® Windows Vista®/<br>Windows® 7 / Windows® 8<br>Windows® 8.1 / Windows® 10<br>macOS X v 10.10 / 10.11 / 10.12<br>Android 4.1 or higher  | Microsoft® Windows Vista®/ Windows® 7 / Windows® 8 Windows® 8.1 /<br>Windows® 10<br>Windows Server® 2008 / 2008 R2 / Windows® Server 2012 / 2012 R2<br>macOS X v 10.10 / 10.11 / 10.12<br>Android 4.1 or higher (SDK)<br>iOS 6, 7, 8, 9, 10 or higher (SDK only)<br>iOS 8, 9, 10 or higher (iPrint & Label)   |   |
| <b>SDK availability</b><br>(visit <a href="http://brother.com.au/service-and-support/software-development-kit.html">brother.com.au/service-and-support/software-development-kit.html</a> ) | b-PAC (for Windows)  | b-PAC (for Windows)<br>Brother Print SDK for Android™<br>Brother Print SDK for iPhone/iPad (for iOS)  |   |
| <b>Supported printer commands</b>  | Raster   | Raster<br>ESC/P<br>P-touch Template   | ZPLII emulation (upon request)<br>ESC/P<br>P-touch Template<br>Raster   |
| <b>Barcode symbologies</b><br>(using P-touch Editor)   | CODE39, CODE128, UCC/EAN128(GS1-128), ITF(I-2/5), CODABAR(NW-7), UPC-A, UPC-E, EAN13, EAN8, ISBN-2(EAN13 AddOn2), ISBN-5(EAN13 AddOn5), Laser Barcode, POSTNET, RSS(RSS14 Standard, RSS14 Truncated, RSS14 Stacked, RSS14 Stacked Omni, RSS Limited, RSS Expanded, RSS Expanded Stacked), PDF417(Standard, Truncate, Micro), QR code(Model1, Model2, Micro), Data Matrix(ECC Square, ECC Rectangular), MaxiCode(Model2, Model3, Model4, Model5)<br>RSS symbols / CODE93 / POSTNET / UPC/EAN EXTENSION / MSI / QR Code (model 1, model 2, micro QR)PDF417 (Standard, Truncate, Micro)PDF417 / Data Matrix(ECC200 Square, ECC200 Rectangular) / MaxiCode / Aztec |   |   |
| <b>Barcode symbologies</b><br>(Built-in printer firmware)  | -  | CODE39, CODE128, UCC/EAN-128(GS1-128), ITF(I-2/5), CODABAR(NW-7), UPC-A, UPC-E, EAN13(JAN13), EAN8, GS1 DataBar(RSS)(GS1 DataBar Omnidirectional,GS1 DataBar Truncated,GS1 DataBar Stacked,GS1 DataBar Stacked Omnidirectional,GS1 DataBar Limited,GS1 DataBar Expanded,GS1 DataBar Expanded Stacked), PDF417(Standard, Truncate, Micro), QR Code(Model 1, Model 2, Micro), Data Matrix (ECC200 Square, ECC200 Rectangular), MaxiCode, CODE93, POSTNET, UPC-E EXTENTION |   |
| <b>Internal fonts</b>  | -  | Bitmap fonts: Letter Gothic Bold, Helsinki, Brussels, San Diego, Brougham<br>Font sizes: 24, 32, 49 dots<br>Outline fonts: Letter Gothic Bold, Helsinki, Brussels<br>Font sizes: 33-400 dots (22 sizes)   |   |
| System Requirements PC / Mac   |  |   |   |
| <b>Operating System</b>  | Windows Vista® / Windows® 7 - 8 - 8.1 - 10<br>Mac OS X v10.10.x - 10.11.x - 10.12.x<br>Windows Server® 2008 / 2008 R2 / Windows® Server 2012 / 2012 R2   |   |   |
| <b>Interface</b>   | Windows®: USB Port<br>(USB Spec. 1.1, 2.0, or 3.0 protocol)<br>Mac: USB Port<br>(USB Spec. 1.1 or 2.0 protocol)  | Windows®: USB Port<br>(USB Spec. 1.1, 2.0, or 3.0 protocol)<br>IEEE802.11b/g/n Wireless LAN<br>Mac: USB Port<br>(USB Spec. 1.1 or 2.0 protocol)<br>IEEE802.11b/g/n Wireless LAN   | Windows®: USB Port, USB Host<br>(USB Spec. 1.1, 2.0, or 3.0 protocol)<br>IEEE802.11b/g/n Wireless LAN -<br>10/100 BASE-TX<br>Wired LAN - Bluetooth 2.1 + EDR<br>Mac: USB Port<br>(USB Spec. 1.1 or 2.0 protocol)<br>IEEE802.11b/g/n Wireless LAN -<br>10/100 BASE-TX<br>Wired LAN - Bluetooth 2.1 + EDR - MFi |
| <b>Hard Disk Requirements</b>  | Windows®: 600MB or more ; Mac: 500MB or more   |   |   |
| <b>Microsoft Office Support</b>  | Microsoft® Word / Excel / Outlook: 2007 - 2010 - 2013 - 2016   |   |   |

# Specifications

## QL-800

## QL-810W

## QL-820NB

| Printing / Media                            |   |   |  |
|---|---|---|--|
| Printing technology                         | Direct thermal with 2 colour print capability             |   |  |
| Print resolution                            | 300x300dpi (standard) / 300x600dpi (high resolution mode) |   |  |
| Print speed (single colour)                 | Maximum 148mm/sec<br>(93 labels/minute)                   | Maximum 176mm/sec(110 labels/minute)  |  |
| Print speed (two colour)                    | Maximum 24mm/sec (equivalent to 15 labels/minute)         |   |  |
| Label widths                                | 12mm - 62mm   |   |  |
| Maximum print width                         | 58mm  |   |  |
| Maximum print length                        | 1 metre   |   |  |
| Media sensor type                           | Reflective  |   |  |
| Cutter                                      | Yes (full cut / guillotine type)                          |   |  |
| Media types                                 | DK Rolls (DK die-cut labels / DK continuous tape)         |   |  |
| LCD   |   |   |  |
| Type  | -   | -   | 320x120 dot graphic LCD with backlight   |
| Connectivity                                |   |   |  |
| USB   | USB version 2.0 full-speed                                |   |  |
| USB host capability                         | -   | -   | Yes (HID class)  |
| Bluetooth                                   | -   |   | Bluetooth 2.1+EDR  |
| Bluetooth profiles                          | -   |   | SPP(Serial Port Profile)<br>OPP(Object Push Profile)<br>BIP(Basic Imaging Profile)<br>HCRP(Hard Copy Cable Replacement Profile)<br>iAP profile |
| iOS and Android compatibility               | -   | Yes (Wi-Fi)   | Yes (Wi-Fi / Wired LAN / Bluetooth)  |
| Wireless LAN                                | -   | IEEE802.11b/g/n   |  |
| Wireless LAN security (Infrastructure mode) | -   | WEP, WPA-PSK/WPA2-PSK (TKIP/AES),<br>LEAP (CKIP), EAP-FAST (TKIP/AES),<br>PEAP (TKIP/AES), EAP-TTLS (TKIP/AES),<br>EAP-TLS (TKIP/AES) |  |
| AirPrint                                    | -   | Yes   |  |
| Wired LAN                                   | -   | -   | 10/100 Base-TX   |
| Memory                                      |   |   |  |
| Flash (for label templates)                 | -   | 6MB   |  |
| Locations (for label templates)             | -   | 99  | 255  |
| Power                                       |   |   |  |
| Power                                       | 220-240V AC internal power supply                         | 100-240V AC external adapter (auto switching)   |  |
| Battery (optional accessory)                | -   | Li-ion battery including base   |  |
| Battery print yield                         | -   | 4,300 labels (mono) / 1,400 labels (2 colour)   |  |
| Battery charging time                       | -   | Less than 2 hours 30 minutes  |  |
| Weights / Dimensions                        |   |   |  |
| Dimensions                                  | 125(w) x 213(h) x 142(d) mm                               | 125(w) x 234(h) x 145(d) mm   |  |
| Weight                                      | 1.15kg  | 1.12kg  | 1.16kg   |