



## Professional label printer range

- Print in black and red to highlight important information.
- Wide range of connectivity options.\*
- PC, macOS® systems, iOS® and Android™ compatibility
- High speed printing of up to 176mm per second.\*
- Use continuous rolls and cutter to print labels up to one metre in length.
- Stand-alone printing function where no PC required – ideal for food and retail applications.\*



\* Applicable to QL820NWB only.



The QL800 series professional label printers offer unrivalled versatility not only in the office, but also retail, food, postal, facilities management and other industries.

Create labels with black and red\* print and up to 1 metre in length, from PC, macOS® systems, iOS®\*\* or Android™\*\* devices. Several wired and wireless connectivity options are available, and even the ability to directly print labels stored in the printer's memory using the integrated LCD/control panel on the QL820NWB, or external devices connected to the printer.

For developers and systems integrators looking to incorporate label printing as part of their solutions, software development kits for Windows, iOS and Android offer an easy way to add support for the Brother QL800 series label printers.



## Summary of features



**QL800**



**QL820NWB**

|   | QL800 | QL820NWB |
|---|-------|----------|
| Fast print speed – number of labels per minute  | 93    | 110      |
| Print labels with both black and red** print  | •     | •        |
| Advanced label design software for PC or macOS® system (P-touch Editor)   | •     | •        |
| Built-in label design software for PC or macOS® system that requires no software or driver installation (P-touch Editor Lite)         | •     |          |
| USB   | •     | •        |
| Wi-Fi® with AirPrint®   |       | •        |
| Wired Ethernet  |       | •        |
| Bluetooth® wireless connection to iOS® or Android™ devices  |       | •        |
| Stand-alone printing of labels stored in printer memory   |       | •        |
| Optional li-ion battery for printing away from power sources  |       | •        |
| Software Development Kits available for Microsoft® Windows®***, iOS® and Android™ devices to add label printing to your own solutions | •     | •        |

\*\* Requires DK22251 continuous roll to print in black and red

\*\*\* QL800 only supports Microsoft Windows SDK





## Versatile labelling options

Boasting the highest print speeds and the most connectivity options in their class, the QL800 series label printers are the ideal solution for many types of business.

### Print black and red\*\* text without ink

Draw attention to important information by including red as well as black on your labels - ideal for highlighting use-by dates, allergens and other critical information.

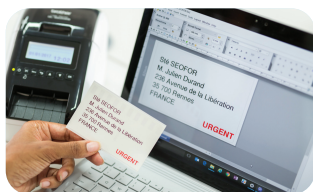


### Wide range of connectivity options

All models allow easy connection to desktop computers using USB. While the flagship QL820NWB has additional Wired network and Bluetooth® wireless connectivity.

### Create labels the size you need

Labels are available in a range of traditional die-cut (pre-sized), or continuous rolls that lets the built-in cutter trim your label to the precise length needed (up to one metre).



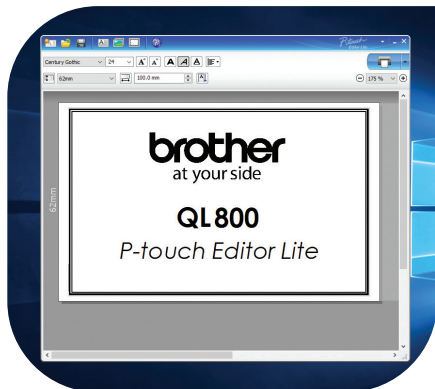
### Print from desktop and mobile devices, or stand-alone

All models are PC or macOS® systems compatible, whereby QL820NWB connect to smartphones and tablets using the built-in wireless connections. Additionally you can select and then print labels stored in the memory of the QL820NWB using the large LCD display and integrated control panel.

\*\* Requires DK22251 continuous roll to print in black and red

# Software solutions

With label design apps for desktop PC's and mobile devices, and SDK's to integrate the QL range into your own applications, you can choose the best option for your label printing needs.

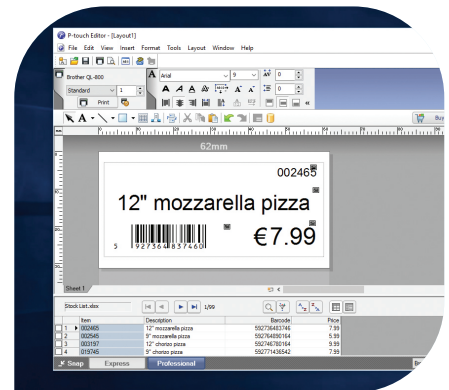


## P-touch Editor Lite (for QL800)\* / P-touch Editor Lite LAN (for QL820NWB)\*

Built inside the label printer, this easy to use label design software works without the need to install software or drivers. Working like a USB flash drive, simply connect to your PC or macOS® systems using USB, and launch the software from the drive that appears. Include images, frames and any of your fonts on your label design and print! A version for network connected models is also available - simply run the software to allow many PC's in an office to print labels to the one printer. Again, no installation needed.

## Brother's P-touch Editor with Microsoft® Office® Plugin

Design professional labels which include images and logos, barcodes and frames. Link to database files such as Excel® or csv files etc and print as many labels quickly and efficiently. Microsoft® Office® plugin allows highlighting, clicking and printing from Word®, Excel® or Outlook®.

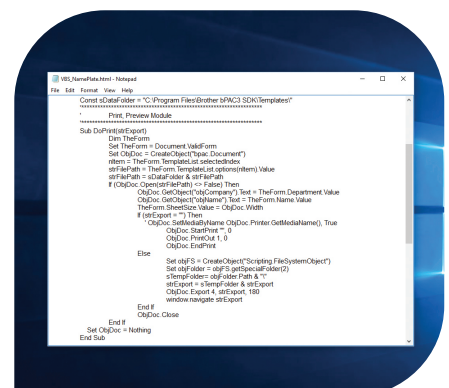


## Brother's iPrint & Label app\*\* for iOS®, Android™ Smartphones and tablets

Print labels on QL820NWB using the free iPrint&Label app. Connect via Wi-Fi® or Bluetooth® wireless connection, and choose one of the pre-defined templates or quickly design your label from scratch. This free app is available from your mobile device's app store by searching "Brother iPrint&Label"

## Software Development Kits for Windows, iOS and Android

System integrators and software developers can now take advantage of various Brother SDK's that allow easy integration of label printing directly within their own apps and software. For more information please visit <http://www.brother.com/product/dev/index.htm>



\* Black print capability only. Use P-touch Editor for black and red printing



# Advanced functionality

The QL820NWB with its stand-alone print function and remote FTP template update allows label printing directly from the control panel. Plus advanced connectivity options offer the widest compatibility with all types of devices.

## Stand-alone label printing

The QL820NWB has a large memory to store label templates designed in P-touch Editor. Label templates can be uploaded to the printer's memory, and accessed using the integrated control panel and backlit graphic LCD display. Ideal for printing current or future date/time on labels in the food and retail industries.



## Remote template update via FTP

Where the QL820NWB is deployed at multiple locations, updating the templates in all printers would normally be a time intensive operation. However the printer can automatically connect using FTP to a remote server, and if new templates are found, update these automatically. This helps companies save time and money, and ensures consistent operation at all remote sites. All this directly from the printer via the internet, without needing a PC connection.

## AirPrint®\* and Bluetooth® wireless connection with Made for iPhone (iPod®, iPhone®, iPad®) Compatibility

The QL820NWB support Apple® AirPrint®\* with compatible apps on iOS® devices and mac® devices. Additionally, it offers Bluetooth® wireless connectivity that can connect to iOS® and Android™ devices easily.



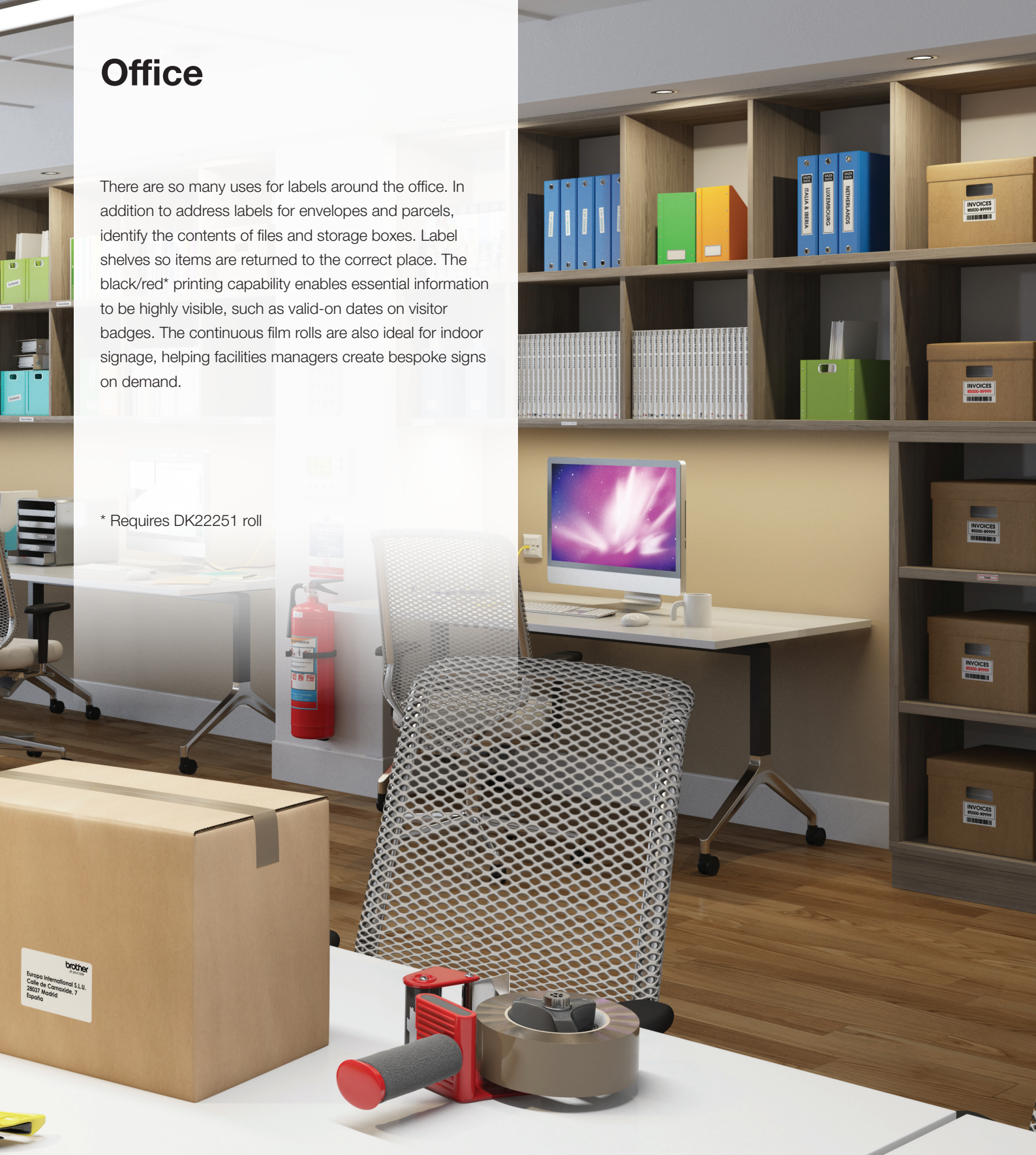
\* iOS® and macOS® systems can only support Black print only when using the default AirPrint® function. Red print capability is available from iOS® devices using AirPrint® with the apps developed using Brother Software Development Kit (SDK).



# Office

There are so many uses for labels around the office. In addition to address labels for envelopes and parcels, identify the contents of files and storage boxes. Label shelves so items are returned to the correct place. The black/red\* printing capability enables essential information to be highly visible, such as valid-on dates on visitor badges. The continuous film rolls are also ideal for indoor signage, helping facilities managers create bespoke signs on demand.

\* Requires DK22251 roll



Visitor badges



Postage labels



Document filing



Indoor signage



# Logistics and warehousing

In busy warehouses and post rooms, accurate and timely labelling of parcels, envelopes and product cartons is essential to ensure the smooth running of all logistics operations. Using red\* print on handling labels ensures this crucial information is noticed, while barcodes can be quickly generated as-and-when required.

\* Requires DK22251 roll



Handling labels



Temporary signage



Shipping labels



Product packaging



# Retail

Conveying product pricing and any special offers to shoppers quickly is crucial for the retail sector. Print pricing labels for product tags, that can also include barcodes. And use red\* print on to highlight special offers or promotions by creating eye-catching indoor signage.

\* Requires DK22251 roll



Pricing/Barcode labels



Promotion signage

# Food

On-demand label printing is a critical part of the food industry, such as highlighting allergen information to consumers, show use-by/best before dates, and product pricing including EAN-8 / EAN-13 barcodes.

The QL820NWB with its stand-alone label printing function is ideal for counter-top use, and printing labels on-demand. Takeaway outlets can print details of orders, including address information where delivery is required.



Takeaway orders



Shelf-edge labelling





# DK rolls for the QL800 / QL820NWB label printer range

Wide range of labels available in paper and plastic film material, pre-sized labels or continuous rolls

| DK Die-Cut Labels                 | Material | Colour | Size        | Item No. |
|-----------------------------------|----------|--------|-------------|----------|
| Standard address label (400/roll) | Paper    | White  | 29 x 90 mm  | DK11201  |
| Large address label (400/roll)    | Paper    | White  | 38 x 90 mm  | DK11208  |
| Small address label (800 roll)    | Paper    | White  | 29 x 62 mm  | DK11209  |
| Shipping label (300/roll)         | Paper    | White  | 62 x 100 mm | DK11202  |
| File folder label (300/roll)      | Paper    | White  | 17 x 87 mm  | DK11203  |
| Multi-purpose label (400/roll)    | Paper    | White  | 17 x 54 mm  | DK11204  |
| CD/DVD label (100/roll)           | Film     | White  | 58 mm       | DK11207  |

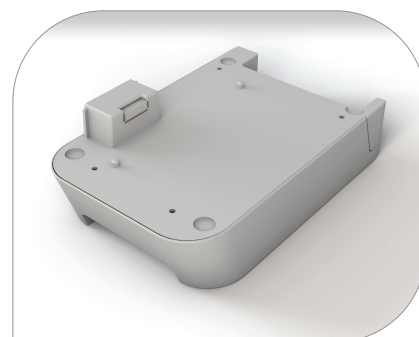
| DK Continuous-Length Tapes - 30.48m | Material         | Colour | Size  | Item No. |
|-------------------------------------|------------------|--------|-------|----------|
| Continuous-length                   | Paper            | White  | 29 mm | DK22210  |
| Continuous-length                   | Paper            | White  | 62 mm | DK22205  |
| Continuous-length                   | Paper, removable | White  | 62 mm | DK44205  |
| Continuous-length                   | Paper, removable | Yellow | 62 mm | DK44605  |

| DK Continuous-Length Tapes - 15.24m | Material | Colour | Size  | Item No. |
|-------------------------------------|----------|--------|-------|----------|
| Continuous-length                   | Film     | White  | 29 mm | DK22211  |
| Continuous-length                   | Film     | White  | 62 mm | DK22212  |
| Continuous-length                   | Film     | Yellow | 62 mm | DK22606  |
| Continuous-length                   | Film     | Clear  | 62 mm | DK22113  |
| Continuous-length - Black/Red print | Paper    | White  | 62 mm | DK22251  |

## Accessories (Requires purchase seperately)

### Optional rechargeable battery unit (PA-BU-001)

This li-ion rechargeable battery unit mounts to the base of the QL820NWB to offer label printing away from power sources. This makes it ideal for use on trollies or carts, or for exhibition badge printing. Features a fast-charge of under 2 hours 30 minutes, and the capability to print up to 4,300 labels (mono) or 1,400 labels (colour) per charge\*.



\* Continuous printing using USB when fully charged

# Specifications

## QL800

## QL820NWB

| 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<br>backlight   |
| Connectivity                                   |   |   |
| USB  | USB version 2.0 full-speed                                |   |
| USB host capability                            | -   | Yes (HID class)   |
| Bluetooth® wireless connection                 | -   | Bluetooth® Classic  |
| Bluetooth® Profile                             | -   | SPP (Serial Port Profile)<br>OPP (Object Push Profile)<br>BIP (Basic Imaging Profile)<br>HCRP (Hard Copy Cable<br>Replacement Profile)<br>iAP profile |
| iOS® and Android™ compatibility                | -   | Yes, (Wi-Fi® / Wired LAN / Bluetooth® Classic)  |
| Wireless LAN                                   | -   | IEEE802.11b/g/n   |
| Wireless LAN security<br>(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)                | -   | 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  | 1.16kg  |



# Specifications

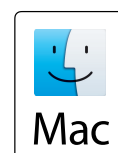
## QL800

## QL820NWB

| Included items   |   |  |
|--|---|--|
| In the box   | 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  |   |  |
| SDK availability<br>(visit <a href="http://www.brother.eu/developer">http://www.brother.eu/developer</a> ) | b-PAC (for Windows®)  | b-PAC (for Windows®)<br>Brother Print SDK for Android™<br>Brother Print SDK for iPhone®/iPad® (for iOS®)   |
| Supported printer commands   | Raster  | ZPLII emulation (upon request)<br>ESC/P<br>P-touch Template<br>Raster  |
| Barcode symbologies<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, MicroPDF417) / Data Matrix (ECC200 Square, ECC200 Rectangular) / MaxiCode / Aztec |  |
| Barcode symbologies<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 |
| Internal fonts   | -   | Bitmap fonts: Letter Gothic Bold, Helsinki, Brussels, San Diego, Brougham 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   |   |  |
| Operating System   | Windows Vista® / Windows® 7 - 8 - 8.1 - 10<br>Mac OS X v10.9.x - 10.10.x - 10.11.x - 10.12.x<br>Windows Server® 2008 / 2008 R2 / Windows® Server 2012 / 2012 R2   |  |
| Interface  | Windows®: USB Port (USB Spec. 1.1, 2.0, or 3.0 protocol)<br>IEEE802.11b/g/n Wireless LAN - 10/100 BASE-TX Wired LAN - Bluetooth 2.1 + EDR<br>Mac: USB Port (USB Spec. 1.1 or 2.0 protocol)<br>IEEE802.11b/g/n Wireless LAN - 10/100 BASE-TX Wired LAN - Bluetooth 2.1 + EDR - MFi   |  |
| Hard Disk Requirements   | Windows®: 600MB or more   mac®: 500MB or more   |  |
| Microsoft® Office® Support   | Microsoft® Word® / Excel® / Outlook®  |  |

# brother

at your side



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