

# QL-800 Series

## Professional Label Printers

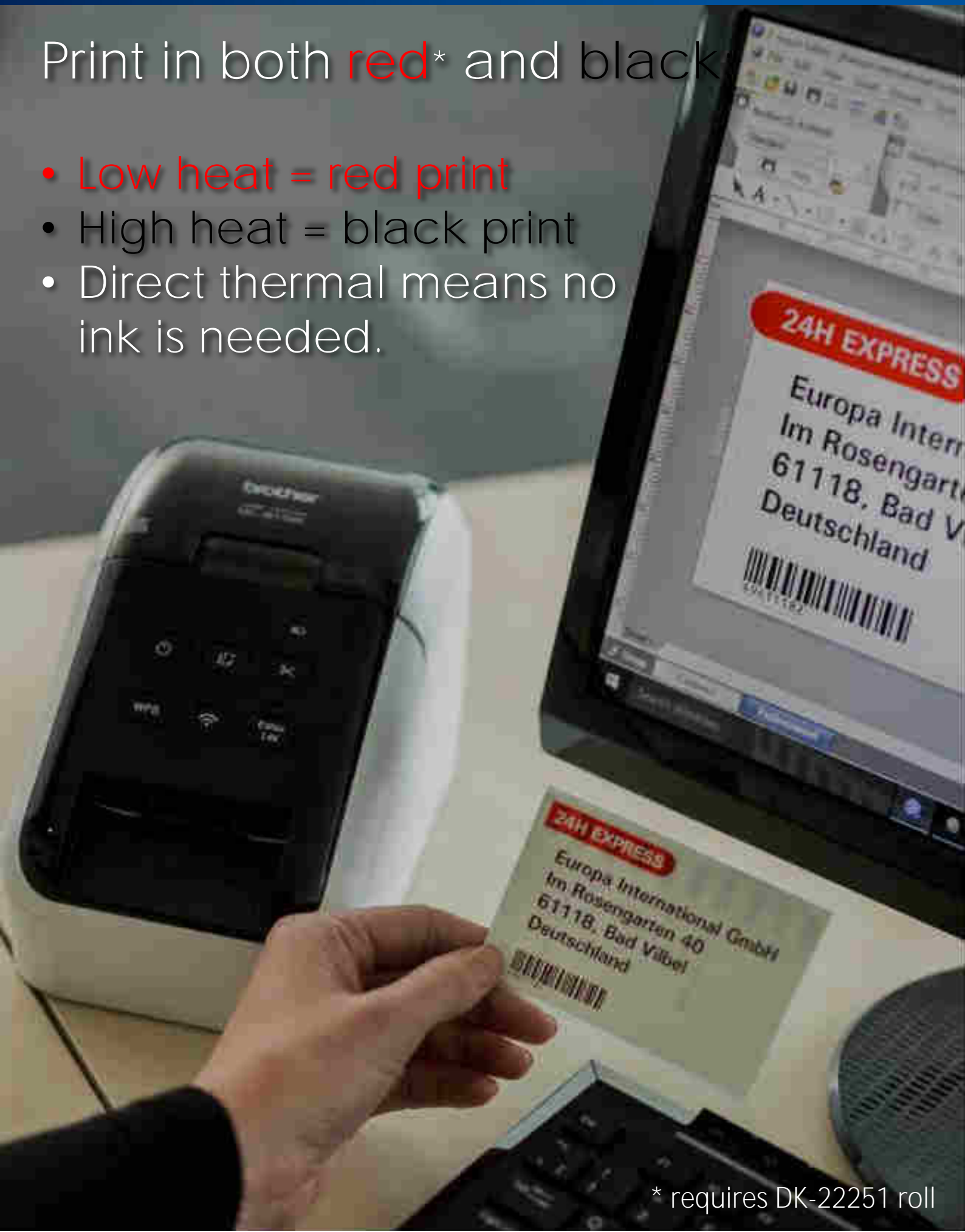


|                         | QL-800 | QL-810W | QL-820NWB |
|-------------------------|--------|---------|-----------|
| Black/Red printing*     | ●      | ●       | ●         |
| P-touch Editor Lite     | ●      | ●       |           |
| USB                     | ●      | ●       | ●         |
| Wi-Fi                   |        | ●       | ●         |
| Wired Ethernet          |        |         | ●         |
| Bluetooth               |        |         | ●         |
| Stand-alone printing    |        |         | ●         |
| Optional Li-ion battery |        | ●       | ●         |

\* requires DK-22251 roll

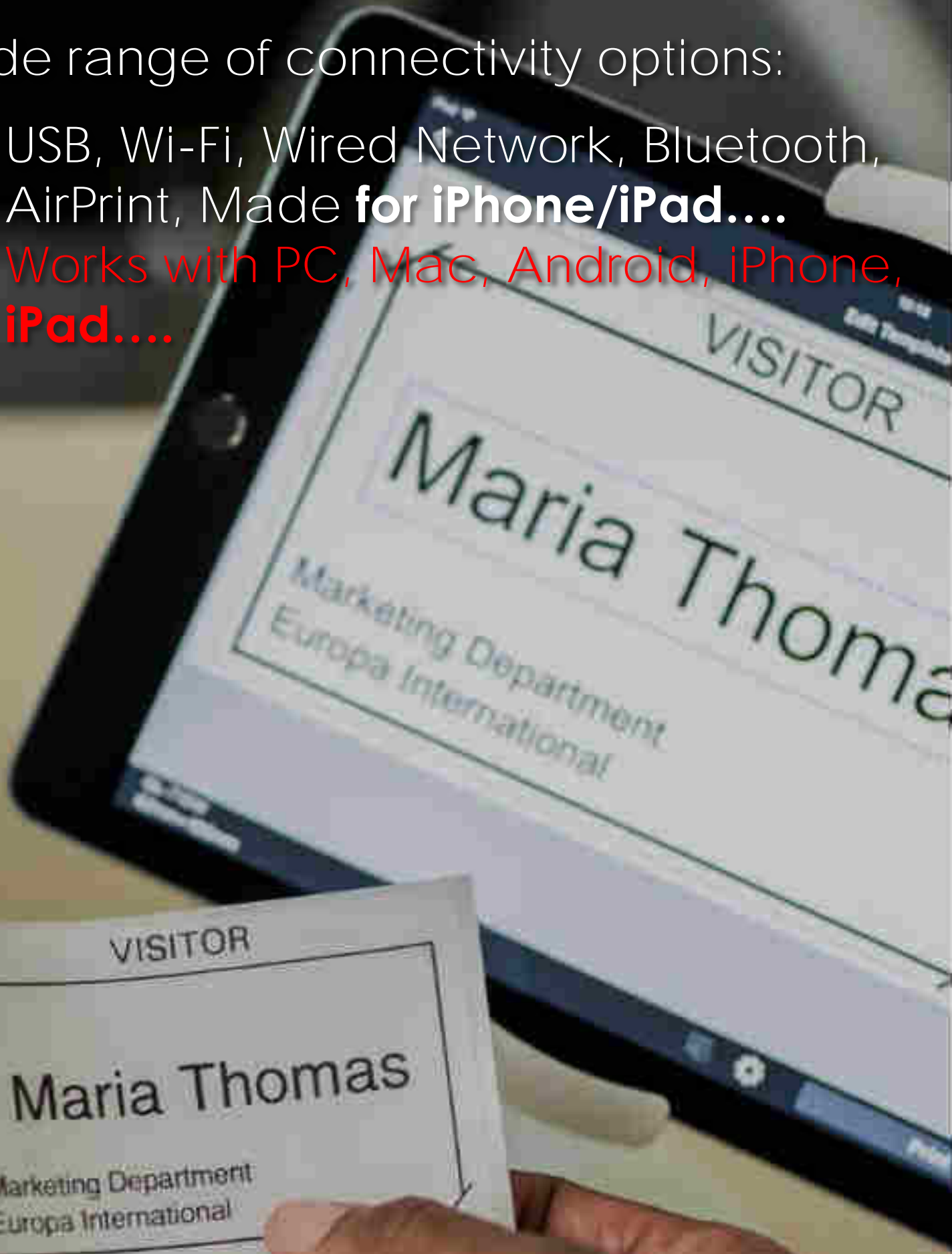
Print in both **red**\* and black

- **Low heat = red print**
- High heat = black print
- Direct thermal means no ink is needed.



Wide range of connectivity options:

- USB, Wi-Fi, Wired Network, Bluetooth, AirPrint, Made **for iPhone/iPad....**
- Works with PC, Mac, Android, iPhone, **iPad....**



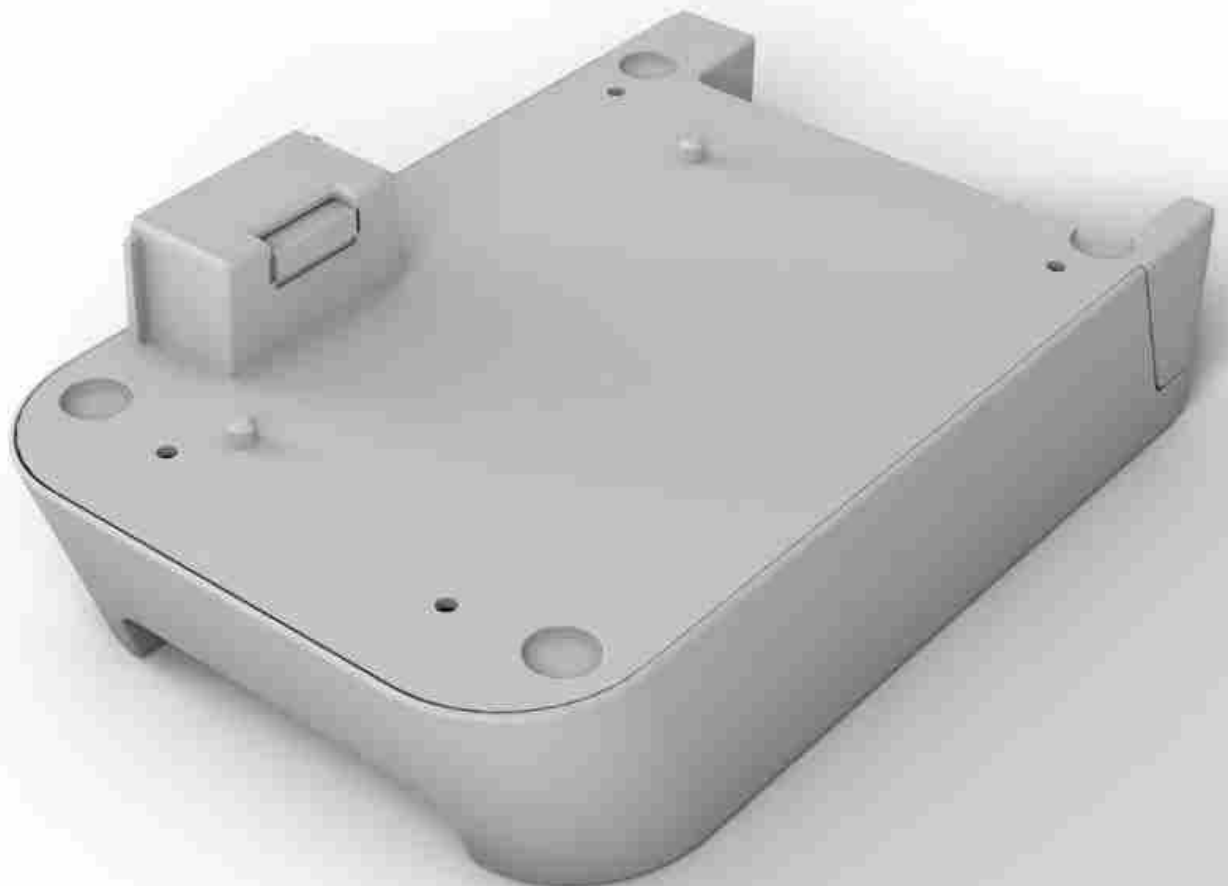
Stand-alone label printing functionality:

- Design your labels and upload to the **QL-820NWB memory....**
- Then simply select the label on the **Backlit LCD display and print....**



## Optional Li-ion battery base:

- Use the QL-810W/QL-820NWB away from power sources.
- Prints over 4,000 labels (black) and over 1,000 labels (red/black) when fully charged.
- And only takes 2.5 hours to fully **charge....**



# QL-800 Series Datasheet



|                                 | QL-800   | QL-810W  | QL-820NWB   |
|---------------------------------|--|--|---|
| <b>Included items</b>           |  |  |   |
| 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 |   |
| <b>Printing / Media</b>         |  |  |   |
| Printing technology             | Direct thermal with 2 colour print capability  |  |   |
| Print resolution                | 300x300dpi (standard) / 300x600dpi (high resolution mode)  |  |   |
| Print speed (single colour)*    | Max 148mm/sec (93 labels/minute)   | Max 176mm/sec (110 labels/minute)  |   |
| Print speed (two-colour)*       | Max 24mm/sec (equivalent to 15 labels/minute)  |  |   |
| Label widths                    | 12mm - 62mm  |  |   |
| Maximum print width             | 60.96mm  |  |   |
| 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)  |  |   |
| <b>LCD</b>                      |  |  |   |
| Type                            | -  | -  | 320x120 dot graphic LCD with backlight  |
| <b>Connectivity</b>             |  |  |   |
| USB                             | USB version 2.0 full-speed (type mini-B connector)   |  |   |
| 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) |
| iOS and Android compatibility   | -  | -  | Yes   |
| Wireless LAN                    | -  | IEEE802.11b/g/n  |   |
| Wireless LAN security           | -  | 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  |   |
| <b>Memory</b>                   |  |  |   |
| Flash (for label templates)     | -  | 6MB  |   |
| Locations (for label templates) | -  | 99   | 255   |
| <b>Power</b>                    |  |  |   |
| 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   |   |
| <b>Weights/Dimensions</b>       |  |  |   |
| 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  |

# QL-800 Series Datasheet



|  | QL-800   | QL-810W   | QL-820NWB   |
|--|--|---|---|
| Software / Firmware  |  |   |   |
| Operating system support<br>(visit <a href="http://support.brother.com">http://support.brother.com</a> for latest downloads and support) | Microsoft® Windows Vista®/ Windows® 7 / Windows® 8 Windows® 8.1 / Windows® 10<br>OS X v 10.10 / 10.11 / 10.12<br>Android 4.1 or higher   | Microsoft® Windows Vista®/ Windows® 7 / Windows® 8 Windows® 8.1 / Windows® 10<br>Windows Server® 2008 / 2008 R2 / Windows® Server 2012 / 2012 R2<br><br>Android 4.1 or higher (SDK)<br>iOS 6, 7 or higher (SDK only)<br>iOS 8, 9, 10 or higher (iPrint & Label)   |   |
| 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   | ESC/P<br>P-touch Template<br>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)<br>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<br>Font sizes: 24, 32, 49 dots<br>Outline fonts: Letter Gothic Bold, Helsinki, Brussels<br>Font sizes: 33-400 dots (22 sizes))  |   |