## **RJ-2000 Series Datasheet**



| Interspect of Maximum 12/mm/second (pips)  Maximum partit width  Samm (receigt)  Samm (labels) / Samm (receigt)  Samm (labels) / Samm (receigt)  Samm (labels) / Samm (receigt)  Samm max  Ves  Media seport type  Reflective  Transmissive / |  | RJ-2030                    | RJ-2050  | RJ-2140          | RJ-2150  |  |  |  |
|--|--|----------------------------|--|------------------|--|--|--|--|
| Trinsing et annology  Trinsing et annology  Trinsing especial   Masimum print resolution  Samm (tables) / Samm (tables) / Samm (recept)  Samm (tables) / Samm (recept)  Samm (tables) / Samm (tables) / Samm (recept)  Adaminam print width  Adaminam printing  Adaminam pr | Printing / Media                               |                            |  |                  |  |  |  |  |
| Assemum print width Assemum print receipt)  Assemum print receipt Assemum print width Assemum print receipt Assemum print receipt Assemum print width Assemum print receipt Assemum print width Assemum print receipt Assemum print width Assemum print receipt Assemum print receip | Printing technology                            |                            | Direct thermal   |                  |  |  |  |  |
| Advancement print width  Samm (receipt)  Samm (labelis) / Samm (receipt)  Assistment print width  Samm (receipt)  Assistment print length  Reflective  Fransmissive / Reflective  Frans | Print resolution                               |                            |  |                  |  |  |  |  |
| Adactivum print length  Reflective Reflectiv | Print speed *                                  |                            | Maximum 152r   | mm/second (6ips) |  |  |  |  |
| Media sensor type   Reflective   Transmissive / Reflective   Yes   | Maximum print width                            | 54mm (                     |  |                  |  |  |  |  |
| Tear bar Yes  Adedia types  Receipt paper  Receipt paper  Receipt paper  Receipt paper  Receipt paper  Receipt paper thickness  2.3-3.5 mils (0.058-0.090mm)  Abel width   | Maximum print length                           |                            |  |                  |  |  |  |  |
| Receipt types Receipt paper Receipt paper   Label rolls / Receipt paper   Receipt width   S8mm max   Receipt width   2.3-3.5 mils (0.058-0.050mm)   Selective width   -   -         S5mm     S5mm     S5mm     S5mm     S5mm     S5mm     S5mm     S5mm     S1.6.7 mils (0.058-0.120mm)   S5mm     S5mm     S1.6.7 mils (0.058-0.120mm)   S5mm     S6mm   max     S6mm   max   | Media sensor type                              | Refle                      |  |                  |  |  |  |  |
| Receipt width  Receipt width  S8mm max  2 2-3.5 mils (0.058-0.090mm)  abel width  - S5mm  3.1-6.7 mils (0.080-0.170mm)  abel width  - S1-6.7 mils (0.080-0.170mm)  Sold diameter  40mm max  60mm max  60mm max  CCD  Vipe  Backlit monochrome LCD  CCONNECTIVITY  SSB  USS version 2.0 full-speed (minl-8 connector)  SSB USS version 2.0 full-speed (minl-8 connector)  SSB SPI(Sarial Port Profile)  GPP(Object Push Profile)  GPP(Object Push Profile)  GPP(Object Push Profile)  HCRP(Hard Copy Cable Replacement Profile)  HCRP(Hard Copy Cable Replacement Profile)  HCRP(Hard Copy Cable Replacement Profile)  AFF support  Ves   Ves  Ves  None/WEP  | Tear bar                                       |                            |  |                  | 'es  |  |  |  |
| Receipt width  Receipt width  S8mm max  2 2-3.5 mils (0.058-0.090mm)  abel width  - S5mm  3.1-6.7 mils (0.080-0.170mm)  abel width  - S1-6.7 mils (0.080-0.170mm)  Sold diameter  40mm max  60mm max  60mm max  CCD  Vipe  Backlit monochrome LCD  CCONNECTIVITY  SSB  USS version 2.0 full-speed (minl-8 connector)  SSB USS version 2.0 full-speed (minl-8 connector)  SSB SPI(Sarial Port Profile)  GPP(Object Push Profile)  GPP(Object Push Profile)  GPP(Object Push Profile)  HCRP(Hard Copy Cable Replacement Profile)  HCRP(Hard Copy Cable Replacement Profile)  HCRP(Hard Copy Cable Replacement Profile)  AFF support  Ves   Ves  Ves  None/WEP  | Media types                                    | Receipt paper              |  |                  |  |  |  |  |
| Receipt paper thickness  2.3-3.5 mils (0.058-0.050mm)  abel width  |  |                            | 100  |                  |  |  |  |  |
| abel thickness  Abel thickness  Abel thickness  Abel thickness  Alt-7 mils (0.889-0.170mm)  Abel thickness  Abel thick |  |                            |  |                  |  |  |  |  |
| abel thickness   |  |                            |  | 1                | nm   |  |  |  |
| Additionmeter 40mm max 60mm max  Core diameter 10.2mm minimum  CCD  COnnectivity  USB version 2.0 full-speed (mini-B connector)  USB host capability   |  | -                          |  |                  |  |  |  |  |
| CONTROL   CONT   |  | - 40                       |  | -                |  |  |  |  |
| Backlit monochrome LCD   |  | 40mr                       |  |                  | II IIIdX   |  |  |  |
| Connectivity  USB version 2.0 full-speed (mini-B connector)  SPP(Serial Port Profile)  OPP(Object Push Push Push Push Push Push Push Push  | Core diameter                                  |                            | 10.2000  | minimum          |  |  |  |  |
| USB version 2.0 full-speed (mini-8 connector)  USB host capability  Suetooth  Bluetooth 2.1+EDR  SPP(Serial Port Profile) OPP(Object Push Push Push Push Push Push Push Push  | LCD  |                            |  |                  |  |  |  |  |
| USB Nost capability  | Туре   |                            | Backlit monochrome LCD   |                  |  |  |  |  |
| USB Nost capability  |  |                            |  |                  |  |  |  |  |
| SB host capability   SP (Serial Port Profile)   SP (Serial Port Profile)   SP (Serial Port Profile)   SP (Sesial Profi   | Connectivity                                   |                            |  |                  |  |  |  |  |
| Bluetooth  Bluetooth 2.1+EDR  SPP(Serial Port Profile) OPP(Object Push Profile) OPP(Object Push Profile) BlP(Basic Imaging Profile) BlP(Basic Imaging Profile) HCRP(Hard Copy Cable Replacement Profile)  Wireless LAN  Yes  Yes  Yes  Ves  None/WEP   |  |                            | I  | 1                |  |  |  |  |
| SPP(Serial Port Profile) OPP(Object Push Profile) OPP(Object Push Profile) BIP(Basic Imaging Profile) HCRP(Hard Copy Cable Replacement Profile) HCRP(Hard Copy Cable Replacement Profile)  Wireless LAN  - Yes  - Yes  Wireless LAN security AdHoc mode)  None/WEP  None/WEPA2-PSK (TKIP/AES)  LEAP (TKIP/AES)  EAP-TITS (TKIP/AES)  EAP-TITS (TKIP/AES)  EAP-TITS (TKIP/AES)  EAP-TITS (TKIP/AES)  EAP-TITS (TKIP/AES)  | JSB host capability                            | -                          | -  | -                | -  |  |  |  |
| SPP(Serial Port Profile) OPP(Object Push Profile) OPP(Object Push Profile) BIP(Basic Imaging Profile) HCRP(Hard Copy Cable Replacement Profile) HCRP(Hard Copy Cable Replacement Profile)  Wireless LAN  - Yes  - Yes  Wireless LAN security AdHoc mode)  None/WEP  None/WEPA2-PSK (TKIP/AES)  LEAP (TKIP/AES)  EAP-TITS (TKIP/AES)  EAP-TITS (TKIP/AES)  EAP-TITS (TKIP/AES)  EAP-TITS (TKIP/AES)  EAP-TITS (TKIP/AES)  |  |                            |  |                  |  |  |  |  |
| SPP(Serial Port Profile) OPP(Object Push Profile) BIP(Basic Imaging Profile) HCRP(Hard Copy Cable Replacement Profile)  Wireless LAN  - Yes  - Yes  Wireless LAN security Adhoc mode: [b/g/n] Wireless LAN security Adhoc mode)  None/WEP  Non | Bluetooth                                      | Bluetooti                  | etooth 2.1+EDR - Bluetooth 2.1+EDR   |                  |  |  |  |  |
| IEEE802.11b/g/n   Infrastructure mode: [b/g/n]   Adhoc mode: [b/g/n]   Wireless LAN security   None/WEP   No   | Bluetooth profiles                             | OPP(Object<br>BIP(Basic Im | OPP(Object Push Profile) BIP(Basic Imaging Profile)  |                  | OPP(Object Push Profile)<br>BIP(Basic Imaging Profile)<br>HCRP(Hard Copy Cable<br>Replacement Profile) |  |  |  |
| Wireless LAN  - None/WEP   | MFi support                                    | -                          | Yes  | -                | Yes  |  |  |  |
| Wireless LAN  - None/WEP   |  |                            |  |                  |  |  |  |  |
| None/WEP  None/WEP  None/WEP  None/WEP64/WEP128  Common key authentication (WEP) WPA/WPA2-PSK (TKIP+AES) LEAP (CKIP) EAP-FAST (TKIP/AES) PEAP (TKIP/AES) EAP-TLS (TKIP/AES) EAP-TLS (TKIP/AES) EAP-TLS (TKIP/AES)  Wireless LAN security  WPA2-PSK (AES)   | Wireless LAN                                   | -                          | Infrastructure mode: [b/g/n] Adhoc mode: [b/g/n]   |                  |  |  |  |  |
| Common key authentication (WEP) WPA/WPA2-PSK (TKIP+AES) LEAP (CKIP) EAP-FAST (TKIP/AES) PEAP (TKIP/AES) EAP-TLS (TKIP/AES) EAP-TLS (TKIP/AES) EAP-TTLS (TKIP/AES)  Wireless LAN security  WPA2-PSK (AES)   | Wireless LAN security<br>(AdHoc mode)          |                            | None/WEP   | None/WEP         | None/WEP   |  |  |  |
|  | Wireless LAN security<br>Infrastructure mode)  | -                          | Common key authentication (WEP) WPA/WPA2-PSK (TKIP+AES) LEAP (CKIP) EAP-FAST (TKIP/AES) PEAP (TKIP/AES) EAP-TLS (TKIP/AES) |                  |  |  |  |  |
|  | Wireless LAN security<br>Wireless direct mode) | -                          | WPA2-PSK (AES)   |                  |  |  |  |  |

<sup>\*</sup> Brother standard test environment

## **RJ-2000 Series Datasheet**



|  | RJ-2030   | RJ-2050  | RJ-2140  | RJ-2150  |  |  |
|--|---|--|--|--|--|--|
| Software / Firmware  |   |  | -  |  |  |  |
| Operating system support                                   | Microsoft® Windows Vista®/ Windows® 7 / Windows® 8 Windows® 8.1 / Windows® 10 Android 4.0.3 or higher (SDK) iOS 6 or higher (SDK)   |  |  |  |  |  |
|  | (visit http://support.brother.com for latest OS support)  |  |  |  |  |  |
| Microsoft® WHQL certified drivers                          |   | <u>'</u>   | /es  |  |  |  |
| SDK availability<br>visit http://www.brother.eu/developer) | B-PAC (for Windows)<br>Brother Print SDK for Android™   | B-PAC (for Windows)<br>Brother Print SDK for Android™<br>Brother Print SDK for iPhone/iPad (iOS) |  |  |  |  |
| Supported printer commands                                 | ZPLII emulation<br>CPCL emulation<br>ESC/P<br>P-touch Template<br>Raster  | ZPLII emulation<br>CPCL emulation<br>ESC/P<br>P-touch Template<br>Raster                         | ZPLII emulation<br>CPCL emulation<br>ESC/P<br>P-touch Template<br>Raster | ZPLII emulation<br>CPCL emulation<br>ESC/P<br>P-touch Template<br>Raster |  |  |
| Barcode symbologies  | CODE39 / ITF(I-2/5) / EAN-13 /EAN-8 / UPC-A / UPC-E / CODABAR / CODE128 / GS1-128(UCC/EAN-128) 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                     |  |  |  |  |  |
| Internal fonts   | <esc commands="" p="">  Bitmap fonts: Gothic, Letter Gothic Bold, Helsinki Font sizes: 16, 24, 32 dots  Outline fonts: Gothic, Letter Gothic Bold, Helsinki Font sizes: 400 dots (maximum)  <p-touch commands="" template=""> Outline fonts: Gothic, Letter Gothic Bold, Helsinki Font sizes: 400dots (maximum)</p-touch></esc> |  |  |  |  |  |
| Memory   |   |  |  |  |  |  |
| RAM  | 32MB  |  |  |  |  |  |
| Flash  | 32MB (12MB available for template upload)   |  |  |  |  |  |
|  |   |  |  |  |  |  |
| Environmental  |   |  |  |  |  |  |
| Orop protection*   | 2.5 metres  |  |  |  |  |  |
| Sealing  | IP54  |  |  |  |  |  |
| Operating temperature                                      | Operating: -10C to +50C / Charging: 0C to +40C  |  |  |  |  |  |
| Operating humidity   | 10%-90% / Maximum web bulb: +27C (no condensation)  |  |  |  |  |  |
| Storage temperature  | -20C to +60C  |  |  |  |  |  |
| Storage humidity   | +45C @ 95%  |  |  |  |  |  |
|  |   |  |  |  |  |  |
| Power  |   |  |  |  |  |  |
| Battery  | Rechargeable Li-ion (7.2V)  |  |  |  |  |  |
| AC adapter (optional accessory)                            | 100/240V AC (50/60Hz) to 15V DC (only for charging)   |  |  |  |  |  |
| Car adapter (optional accessory)                           | 12V DC (only for charging)  |  |  |  |  |  |
| Weights/Dimensions   |   |  |  |  |  |  |
| Dimensions   | 122(w) x 57(h) x 100(d) mm  |  | 151(w) x 73(h) x 100(d) mm   |  |  |  |
| Weight (including battery)                                 | 469   | 5g   | 54   | 545g   |  |  |
| Included items   |   |  |  |  |  |  |
| meraded items  | Printer<br>Li-ion battery<br>Belt clip<br>Documentation   | Printer<br>Li-ion battery<br>Belt clip<br>Documentation  | Printer<br>Li-ion battery<br>Belt clip<br>Documentation                  | Printer<br>Li-ion battery<br>Belt clip<br>Documentation                  |  |  |

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