

## General

|                                |  |
|--------------------------------|--|
| Box Contents                   | Printer, Power Cord, USB Cable, Documentation  |
| Dimensions (W x H x L)         | 10.9" x 12.8" x 19.8"<br>(276mm x 326mm x 502mm)   |
| Weight                         | 33.8 lbs. (15.4kg)   |
| Power Specifications           | Built-In Power Supply<br>(Input: 100 - 240VAC 50/60Hz 4.0A – 2.0A)   |
| Printer Memory                 | 256MB SDRAM, 512MB Flash,<br>Optional 32GB MicroSD Card  |
| Control panel                  | 6 Keys, 3 Color Status LED, 3.5" Color<br>TFT LCD Control Panel, Dual Host-USB<br>Interface Ports  |
| Real Time Clock                | Standard   |
| Audio Device                   | Standard   |
| Operating Systems              | Windows Server 2019/2016/2012 R2/2012,<br>Windows 10/8.1/7 (64-bit and 32-bit),<br>Mac OS X® 10.11.x, macOS® 10.12.x<br>or Higher, Linux®    |
| SDK Support                    | Windows Server® 2019/2016/2012<br>R2/2012/2008 R2/2008,<br>Windows® 10/8.1/8/7, Windows Vista,<br>Android v5.0 or Higher, iOS v9.0 or Higher |
| In Box Software                | Seagull BarTender UltraLite Design/Print<br>Software Application, Brother Printer<br>Management Software Tool                                |
| Printer Languages              | FBPL II, ZPL II®, EPL2, DPL  |
| ENERGY STAR Certified          | Energy Star 3.0  |
| Operating Temperature/Humidity | 32°F - 104°F (0°C - 40°C) / 25% - 85%  |
| Storage Temperature/Humidity   | -40°F - 140°F (-40°C - 60°C) / 10% - 90%   |

## Connectivity

|                     |   |
|---------------------|---|
| Standard Interfaces | Ethernet LAN (10/100Base-TX), USB 2.0,<br>Dual Host USB, RS232C Serial  |
| Optional Interfaces | Dual Wi-Fi WLAN (5GHz 802.11a/n,<br>2.4GHz 802.11b/g/n) & Bluetooth 5.0   |
| Security Protocols  | <u>WLAN</u> : IPv4, ARP, ICMP, UDP, TCP, RAW, DHCP<br>Client, DHCP FQDN Option, Unicast DHCP Offer<br><u>LAN</u> : 802.1x, ARP, MAC, BOOTP, DHCP, DNS,<br>WINS, FTP Server, HTTP Server, SMTP Client,<br>SMTP Client, SNMP V1, Telnet, LPR/LPD,<br>RAW 9100, IPv4, ICMP, IGMP, TCP, UDP |
| Wireless Security   | 802.11i, WEP 64/128bit, WPA-PSK/WPA2<br>(TKIP/AES), WPA2-Enterprise<br>(EAP-FAST, PEAPv0, EAP-TLS, EAP-TLLS)  |
| Bluetooth Profiles  | SPP, GATT (BLE)   |

<sup>1</sup>Based on performance tests using Brother certified media, actual results may vary in actual applications

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## Printing

|                       |   |
|-----------------------|---|
| Print technology      | Direct Thermal and Thermal Transfer   |
| Print Head Resolution | 600dpi (24 dots/mm)   |
| Print Engine speed    | Up to 6 ips (152mm/sec) <sup>1</sup>  |
| Media/Print Width     | 4.5" (114mm) / 4.1" (104mm)   |
| Resident Barcodes     | <u>Linear</u> : Code 11 (USD-8), Code 39, Code 93, Code<br>128 with subsets A/B/C, UPC-A, UPC-E, EAN-8, EAN-<br>13, UPC and EAN 2- or 5-digit extensions, GS1-128<br>(UCC/EAN-128), MSI Plessey, POSTNET, Standard<br>2-of-5 (IATA), Industrial 2-of-5, Interleaved 2-of-5,<br>ITF-14, EAN-14, LOGMARS, Codabar (NW-7), Planet,<br>Telepen, Deutsche Post Identcode, Deutsche Post<br>Leitcode, Datalogic 2-of-5 (China Post)<br><u>2D</u> : CODABLOCK F, PDF417, Code 49, GS1<br>DataMatrix, MaxiCode, QR Code, TLC39,<br>MicroPDF417, GS1 DataBar (RSS), Aztec Code |
| Printer Sensors       | Full Width Moveable Gap (Transmissive) and<br>Black Mark (Reflective), Ribbon Encoder and<br>Ribbon End, Head Open, Peeler (Optional)   |
| Media Type            | Label and Tag: Roll or Fanfold /<br>Die Cut or Continuous   |
| Media Roll Size       | 8.00" (203.2mm) Outer Diameter, Wound Out 1.5"<br>(38.1mm) or 3" (76.2mm) Core Inside Diameter  |
| Media Loading         | Internal: 1.5" Spindle, Compatible up to 3" Core<br>External: Rear or Bottom Feed<br>(External Roll and Fanfold)  |
| Media Specifications  | Width: 0.79" - 4.5" (20mm - 114mm),<br>Thickness: 2.36mil – 11mil (0.06mm - 0.28mm),<br>Minimum Length (Tear): 0.2" (5mm),<br>Minimum Length (Cutter): 1.0" (25.4mm),<br>Minimum Length (Peeler): 0.5" (12.7mm)   |
| Ribbon Types          | Wax, Resin, Semi (Wax / Resin)  |
| Ribbon Length         | 1,968' (600m) / 3.5" (90mm) Outer Diameter,<br>Wound In/Out or 1,476' (450m) / 3.2" (81.3mm)<br>Outer Diameter, Wound In/Out or 984' (300m) /<br>2.64" (67mm) Outer Diameter, Wound In/Out<br>on 1" (25.4mm) Core Inside Diameter (No Notch)  |
| Ribbon Width          | 1.0" - 4.5" (25.4mm - 114.3mm)  |
| Ribbon Take Up Core   | Ribbon Quick Release Take Up Spindle,<br>No Ribbon Take Up Core Required  |
| Optional Accessories  | Wi-Fi & Bluetooth Interface (PA-WB-001),<br>Automatic Cutter (PA-CU-005),<br>Label Peeler with Liner Rewinder (PA-LP-006),<br>Print Head 600dpi (LBX099001),<br>Platen Roller (LBX101001)   |