

Specifications at a Glance*

Printer Name

QLn320
QLn220 (coming soon)

Standard Features

- Direct thermal printing of bar codes, text and graphics
- CPCL and ZPL® [future] programming languages
- 256 MB Flash supports downloadable programs, receipt formats, fonts, and graphics
- 2.45 AH removable Li-Ion smart battery
- Built-in battery charger
- Black mark and gap media sensing using fixed center position sensors
- Easy to use peel and present mode
- Label present sensor for issuing labels one at a time
- Tear bar for easy receipt dispensing
- Center-loading media locking for variable roll widths
- "Clamshell" design for easy media loading
- Management: Mirror, SNMP, Web server (with customizable HTML pages), Wavelink Avalanche® [future firmware update]
- Large, easy to read LCD control panel 240 x 128 pixels
- LCD can be customized using WML (text and icons)
- 5-way navigation buttons, two software defined keys
- Printer alerts on the display, help menus
- Tolerance of multiple drops from 5"/1.52 m to concrete
- IP43 dust- and water-resistance rating (IP54 with soft case)
- Label odometer
- Real-time clock

Printer Specifications

Resolution

203 dpi/8 dots per mm

Memory

128 MB RAM; 256 MB Flash (standard)

Print width

2.9"/72 mm

Print length

Min: 0.5"/12.7 mm

Max: 32"/813 mm

Print speed

Up to 4"/100 mm per second

Media sensors

Black mark and gap media sensing using fixed center position sensors; Label present sensor for issuing labels one at a time

Operating Characteristics

Environment

- Operating Temperature: -4° F/-20° C to 122° F/50° C
- Storage/Transport Environment: -13° F/-25° C to 158° F/65° C
- Operating Humidity: 10% to 90% non-condensing
- Storage Humidity: 10% to 90% non-condensing

Agency approvals

- Emissions: FCC Part 15, Subpart B, EN55022 Class-B, EN60950, EN55024 and VCCI class B
- Susceptibility: EN55024, EN61000-4-2, EN61000-4-3, EN61000-4-4, and EN61000-4-5
- Safety: CE, UL, TUV, CSA

Media Characteristics

Media width

1.0"/25 mm to 3.125"/79 mm

Media length

0.5"/12.7 mm to 32"/813 mm or continuous

Maximum media roll size

2.6"/66 mm OD on a 0.75"/19 mm or 1.375"/34.9 mm

Media thickness

2.3 mil to 6.5 mil

Media types

Die-cut, roll-fed, receipt, linerless, black bar, black mark

Physical Characteristics

Width: 4.6"/117 mm

Height: 3.3"/84 mm

Depth: 6.8"/173 mm

Weight: 1.6 lbs/0.72 kg with battery

ZebraLink Solutions

Software

- ZebraDesigner™ Pro
- ZebraDesigner
- ZebraNet™ Bridge Enterprise
- ZebraDesigner Driver
- Zebra Setup Utility
- Multiplatform Software Development Kit

Firmware

- CPCL and ZPL [future] programming languages
- ZBI™ 2.x—Powerful programming language that lets printers run standalone applications, connect to peripherals, and much more [future firmware update]

Fonts/Graphics/Symbologies

Fonts and character sets

- Five resident scalable, rotatable fonts available from 12-48 pt.
- Downloadable soft fonts
- Optional international character sets

Bar code symbologies

- Bar Code Ratios: 1.5:1, 2:1, 2.5:1, 3:1, 3.5:1
- Linear Bar Codes: Code 39, Code 93, UCC/EAN128, Code 128, Codabar (NW-7), Interleaved 2-of-5, UPC-A, UPC-E, 2 and 5 digit add-on, EAN-8, EAN-13, 2 and 5 digit add-on
- 2-Dimensional: PDF417, MicroPDF417, MaxiCode, QR Code, GS1 DataBar™ (RSS) family, Aztec, MSI/Plessey, FIM Postnet, Data Matrix, TLC39

Communication and Interface Capabilities

- 802.11b/g radio with support for:
 - WEP, TKIP, and AES encryption
 - EAP-FAST, EAP-TTLS, EAP-TLS, PEAP, LEAP
- 802.1x
- WPA and WPA2
- 802.11d and 802.11i
- Bluetooth® 2.1 radio
 - Security modes 1 - 4
- 10/100 Ethernet support (via docking cradle)

Cabled Communications Specifications

- USB 2.0 full-speed interface (12 Mbps)
- Mini-B connector with optional strain relief
- Serial interface: 14-pin RS-232C port for communication to terminal or other host up to 115.2 Kbps

Options and Accessories

Charging Options

- Charge the battery inside the printer using:
 - AC adapter
 - Single cradle
 - Quad cradle
- Charge the battery outside the printer using:
 - Single charger
 - Quad charger

Optional Features and Accessories

- Linerless printing (with silicone platen roller only)
- ZBI 2.x—Powerful programming language that lets printers run standalone applications, connect to peripherals, and much more [future firmware update]
- Spare batteries
- AC adapter
- SC2 smart battery single charger (coming soon)
- Quad battery charger
- QLn-EC—single bay Ethernet and charging cradle
- QLn-EC4—quad bay Ethernet and charging cradle, with internal switch and stacking port (coming soon)
- Shoulder strap
- Hand strap
- Soft case (IP54 rating when used)
- Serial and USB cables with strain relief

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GSA#: GS-35F-0268N

P1037385 (4/11)