Scheda Tecnica ZQ500

PRINTER NAME

ZQ510
ZQ520

STANDARD FEATURES

- Apple iOS, Android, Windows Mobile and BlackBerry® connectivity
- Direct thermal printing of barcodes, text and graphics
- 203 dpi resolution (8 dots per mm)
- Print speed up to 5"/127 mm per second (with Draft mode enabled)
- CPCL and ZPL® programming languages
- XML support
- Resident fixed and scalable fonts
- 400 MHz 32-bit ARM® processor with 256 MB RAM (8 MB available for user applications)
- 512 MB Flash supports downloadable programs, receipt formats, fonts and graphics (64 MB available for user storage)
- USB On-The-Go ports (with optional strain relief cable)
- 2450 mAh removable, rechargeable PowerPrecision+ Li-Ion battery
- Built-in battery charger
- Black mark and gap media sensing using fixed center position sensors
- Optional linerless platen
- Cold Temperature Compensation mode-optimizes / balances print speeds to allow for better print performance at lower temps
- Dual-sided tear bar which allows for clean tear in either direction (not available with linerless SKUs)
- Supports vertical and horizontal printing
- Printer can be used in any orientation
- Center-loading media locking for variable roll widths
- "Clamshell" design for easy media loading
- Management: Mirror, SNMP, Web server, Profile Manager, AirWatch® and Wavelink Avalanche®
- Bluetooth 4.0 Smart Ready Low Energy radio
- Simple easy-to-read LCD with large icons for battery and wireless status
- Tolerance of multiple drops from 6.6' (2 m) to concrete
- Label odometer
- NTP (Network Time Protocol) support via WiFi
- QR code links to web-based help pages; not displayed on LCD
- Semi-sleep / instant on mode — which allows the printer to "wake" on touch (Wake on BT only supported in BT 4.0 radio), or on Bluetooth print job transmission
- Zebra® Print Touch simplifies Bluetooth pairing and launches web-based help pages with Near Field Communication (NFC) enabled devices
- Power Smart Print Technology — anticipates upcoming printing to optimize battery consumption and print speed

PRINTER SPECIFICATIONS

Resolution	203 dpi resolution (8 dots/mm)
Maximum Print Width	ZQ510: 2.83"/72mm ZQ520: 4.09"/104mm
Maximum Print Speed	Up to 5"/127mm per second
Media Sensors	Black mark and gap media sensing using fixed center-position sensors
Print Length	Maximum: 39"
Power	2450 mAh removable, rechargeable PowerPrecision+ Li-Ion battery, with optional extended battery

MEDIA CHARACTERISTICS

Maximum Media Width	ZQ510: 3.15"/80 mm +1 mm ZQ520: 4.45"/113 mm +1 mm
Maximum Media Roll Size	ZQ510: 2.0"/51 mm ZQ520: 2.24"/57 mm
Thickness	0.0063" (0.1600 mm) for labels and 0.0055" (0.1397 mm) for tag/receipt
Media Types	Receipt, Gap/Black mark Label, Tag

OPERATING CHARACTERISTICS

Environmental	Operating Temperature: -4°F to 131°F/-20°C to 55°C Operating Humidity: 10% to 90% non-condensing Charging Temperature: 32°F to 104°F/0°C to 40°C Cradle Temperature: 32°F to 122°F/0°C to 50°C Storage Temperature: -22°F to 150°F/-30°C to 66° C 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

PHYSICAL CHARACTERISTICS

	ZQ510	ZQ520
Length	2.4"/62 mm	2.6"/67 mm
Width	4.7"/120 mm	6.1"/155 mm
Height	5.9"/150 mm	6.2"/158 mm
Weight (w/battery)	1.39lbs/0.63 kgs	1.73lbs/0.79 kgs

SOFTWARE TOOLS

Link-OS Solutions

Profile Manager — Advanced, server based device management for networked printers, operates via a web browser interface

Cloud Connect — Secure, direct, encrypted and authenticated connections to the web for printing and device management

Virtual Devices — Use legacy and non-Zebra command languages to print labels and tags

Zebra Utilities — Print from iOS, Android, Windows Mobile devices

Print Station — Driverless printing from Android devices

AirWatch Connector — Manage from within the AirWatch environment

Multiplatform Software Development Kit — Simplifies printing application development with support for Blackberry, Apple, Android, WinCE®, WinMobile®, Windows desktop and Linux/Unix platforms

BARCODE SYMBOLOGIES

CPCL Barcode Symbologies

- Barcode Ratios: 1.5:1, 2:1, 2.5:1, 3:1, 3.5:1
- Linear Barcodes: 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
- 2D Barcodes: PDF417, MicroPDF417, MaxiCode, QR Code, GS1/DataBar™ (RSS) family, Aztec, MSI/Plessey, FIM Postnet, Data Matrix, TLC39

ZPL Barcode Symbologies

- Barcode Ratios: 2:1, 3:1, 5:2, 7:3
- Linear Barcodes: Code 11, Code 39, Code 93, Code 128, ISBT-128, UPC-A, UPC-E, EAN-8, EAN-13, UPC-A and UPC-E with EAN 2 or 5 digit extensions, Planet Code, Plessey, POSTNET, Standard 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, LOGMARS, MSI, Codabar, and GS1 DataBar (RSS)
- 2D Barcodes: PDF417, MicroPDF-417, Code 49, TLC39, Maxicode, Codablock, Data Matrix, QR code, Aztec

Ideal for These Applications

Manufacturing

- Field sales
- Field service
- Direct store delivery
- Proof of delivery

Retail

- Inventory management, cycle count
- Receiving, put-away, reverse logistics
- Picking, staging, packing, shipping
- Quick and efficient checkout
- Customer experience

Transportation and Logistics

- Receiving, put-away, reverse logistics
- Inventory management, cycle count
- Cross-docking
- Picking, staging, packing, shipping
- Direct store delivery
- Fleet management and maintenance
- Proof of pickup and delivery
- Ticketing
- In-cabin services

ZQ500

FONTS AND GRAPHICS

CPCL Font Specifications
- Standard Fonts: 25 bitmapped, 1 smooth, scalable (CG Triumvirate Bold Condensed*)
- Optional Fonts: downloadable bitmapped/scalable fonts
- CPCL Asian Fonts are not supported

*Contains UFST® from Agfa Monotype Corporation

ZPL Font Specifications
- Character Fonts: Standard bitmapped Zebra fonts: A, B, C, D, E (OCR-B), F, G, H, (OCR-A), GS, P, Q, R, S, T, U, V and Ø Smooth font (CG Triumvirate Bold Condensed)
- Unicode Scalable Swiss 721 is preloaded on the printers E: memory location (supports Latin, Cyrillic, Arabic and Hebrew)
- Google/Adobe Hans (Asia SKUs only)
- Thai Angsana (Asia SKUs only)

OPTIONS AND ACCESSORIES

ZebraNet® 802.11a/b/g/n radio with support for: Wi-Fi® Certification

Bluetooth 3.0/802.11b/g Multiport Radio (can be used simultaneously)
- Security modes 1 – 4
- "Made for iPod/iPhone/iPad" (MFi) certified
- WEP, TKIP and AES encryption
- WPA and WPA2
- 802.1x (with WEP, WPA, or WPA2)
  – EAP-FAST, EAP-TTLS, EAP-TLS, PEAP, LEAP
- 802.11d and 802.11i
- Key Bonding

ZBI 2.x™ — powerful programming language that lets printers run standalone applications, connect to peripherals, and much more

ESC-POS available via post-sale download

PRODUCT WARRANTY

ZQ500 Series Printers are warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For the complete warranty statement, please visit: www.zebra.com/warranty.

RECOMMENDED SERVICES

The Zebra OneCare Service portfolio of Essential, Select and Premier maximizes the availability and productivity of your devices. Key features include 24/7 technical support, comprehensive coverage, advance replacement and software updates. Optional Visibility Services are available. For more information go to www.zebra.com/zebraonecare.

For optimum print quality and printer performance, use genuine Zebra supplies.

Specifications subject to change without notice.

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