

ZQ511 - Rugged mobile receipt printer, BT, display

The ZQ500™ Series just got tougher. Extreme environments and bangs and bumps are no match for these lightweight, compact receipt and label printers. Zebra's ZQ511™ and ZQ521™ printers are the most rugged printers available. They perform in the widest operating temperature range in the industry and can withstand repeated drops to concrete from up to 6.6 feet. Water spray is no match with their IP54 rating. Featuring Print DNA software these premium printers are easy to integrate, manage and maintain. With large buttons and a user-friendly interface, they are easy to operate, even when wearing gloves.

The ZQ500 mobile printers offer users easy handling. Extra-large keys and an intuitive user surface ensure that print jobs run smoothly, even when wearing gloves. Features such as the integrated real-time clock and draft print mode for quick text prints (up to 127 mm per second) also support users in working with the greatest possible efficiency. Additionally, the Power Smart print technology and the powerful 3,250 mAh PowerPrecision+ battery provide reliable long-term operational readiness – the optional 4,900 mAh battery is especially suited for long work shifts without recharging possibilities.



There are two models available: the 3" linerless model ZQ511 and the 4" ZQ521. They mainly differ in their printing/media width (max. media width: 80, respectively 113 mm). Both models come standard with Bluetooth 4.1 classic, Bluetooth Low Energy (BLE) and SmartReady functionality, so they operate very energy efficiently. As needed, you also receive the ZQ500 printers with 802.11 ac or 802.11r Wi-Fi and dual-band support for 2.4 GHz and 5 GHz. For even better wireless coverage and more operational flexibility, opt for the variants with the multi-port radio module, for the simultaneous operation of Wi-Fi and Bluetooth.

Zebra made integrating the mobile printers easier, thanks to their standard support of the Link-OS software environment. This way, you benefit from many helpful tools, such as simple remote maintenance. All printers also support operation with iOS, Android or Windows mobile devices and have a 2-year warranty. Expand the potential of the printers even further with the optional RFID modules and professional original accessories, such as vehicle mounts and docking stations and a very robust exoskeleton protective case. This increases the protection against dust and water according to IP65.



Technical Description

Functionality & Operation

Maximal print width	72mm
Language support	25 bitmapped, 1 smooth, scalable (CG TriumvirateBold Condensed, contains UFST® from AgfaMonotype Corporation), Scalable Fonts: Swiss721 (supporting Latin, Cyrillic, Hebrew and Arabic characters)
Communication interface	USB 2.0 full-speed on-the-go interface (12 Mbps)
Print mode	direct thermal
Memory	256MB RAM, 512MB Flash
Commands set	
Print speed	127mm/sec
1D Barcode Symbolologies	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 Code Symbolologies	PDF417, MicroPDF417, MaxiCode, QR Code, GS1/DataBar™ (RSS)family, Aztec, MSI/Plessey, FIM Postnet, Data Matrix, TLC39
Print resolution	203dpi
WPAN Features	Bluetooth 4.1 (Classic and BLE)
Wireless communication	Bluetooth®

Optical

Sensors	black mark detector GAP sensor
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Electrical

Main battery pack	3250 mAh (nominal), removable, rechargeable PowerPrecision+ Li-Ion battery,
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Mechanical

Dimensions	Width: 120mm, Height: 62mm Length: 150mm
Weight	630g

Consumables

Maximal paper width	80mm
Maximal roll diameter	51mm
Media thickness	0.058 to 0.16mm
Media type	thermal labels, roll of thermal paper, black-marked media

Environment

Shock resistance	multiply drops from 2 m onto concrete surface 1300 tumbles at 1 m
Operating temperature	-20 to 55°C

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