Zebra ZQ511

Zebra ZQ511 label printer Direct thermal 203 x 203 DPI 127 mm/sec Wired & Wireless Wi-Fi Bluetooth



PRINT TECHNOLOGY
Direct thermal

RESOLUTION
203 x 203 DPI

PRINT SPEED
127 mm/sec

MAX PRINT WIDTH
7.2 cm

MAX LABEL WIDTH
8 cm

CONNECTIVITY
USB, Wi-Fi, Bluetooth

PRINTER LANGUAGES
CPCL-native, ZBI, ZPL

OVERVIEW

ZQ511 Mobile Printer, Direct Thermal, 8 dots/mm, 203 DPI, 528MHz ARM processor, 4GB RAM, 4GB Flash, WLAN 802.11ac, Bluetooth 4.1 EDR + LE, Link-OS

TECHNICAL SPECIFICATIONS

Print quality

Vertical printing	Yes
Maximum resolution	203 x 203 DPI
Maximum printing width	7.2 cm

Printing

Print speed	127 mm/sec
Print technology	Direct thermal

Display

Display	LCD

Network

Wi-Fi	Yes
Ethernet LAN	No

Memory

Internal memory	4096 MB
Flash memory	4096 MB

Paper handling

Media thickness	0.16 - 0.05842 mm
Maximum roll diameter	5.1 cm
Maximum label width	8 cm

Ports & interfaces

Wi-Fi standards	Wi-Fi 5 (802.11ac)
USB 2.0 ports quantity	1
Connectivity technology	Wired & Wireless
Bluetooth version	4.1+EDR
Bluetooth	Yes
USB port	Yes
Bluetooth Low Energy (BLE)	Yes

Performance

Mobile operating systems supported	Android, Windows Mobile, iOS
Built-in barcodes	1D, 2D
Security algorithms	AES, EAP-FAST, EAP-TLS, EAP-TTLS, LEAP, PEAP, WEP, WPA, WPA2
Built-in processor	Yes
Page description languages	CPCL-native, ZBI, ZPL

Design

Specifications are supplied by the manufacturer and may change without notice. Issued October 2026.

Product colour	Black
Built-in display	Yes

Power

Battery voltage	7.4 V
Number of batteries supported	1
Battery type	Built-in battery
Battery technology	Lithium-Ion (Li-Ion)
Battery capacity	3250 mAh
Auto power off	Yes

Technical details

Windows operating systems supported	Windows 8

Operational conditions

Storage temperature (T-T)	-30 - 66 °C
Storage relative humidity (H-H)	10 - 90%
Operating temperature (T-T)	20 - 55 °C
Operating relative humidity (H-H)	10 - 90%

Weight & dimensions

Width	120 mm
Depth	150 mm
Height	62 mm
Weight	630 g

Order or get advice
Speak to the BarcodeGenie team about compatible labels, ribbons and setup.

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Scan to view this product online.

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