ZQ630 Plus RFID Mobile Printer

Premium mobile printing and RFID capabilities for maximum productivity

Always on the edge of innovation, Zebra offers premium RFID mobile printers to give your workers a leading advantage. The ZQ630 Plus RFID rounds out Zebra's ZQ600 Plus Series printers with advanced technology and innovative design that drive productivity, ease-of-use and manageability to a new level. Save time, reduce errors, print and encode RFID labels and tags on the spot with ease. A large color display takes all the guesswork out of printer status. Advanced battery technology and more battery capacity–6600 mAh–power every minute of the longest shift. The instant wake-up feature on Wi-Fi™ or Bluetooth® ensures the ZQ630 Plus RFID never sleeps on the job. And, the ZQ630 Plus RFID is easier to integrate, manage, setup and secure, thanks to Zebra's Link-OS® printer operating system and powerful Print DNA™ suite of applications, utilities and developer tools.



Premium Features for Maximum Productivity

RFID + Mobility Made Easy
Leading the industry in RFID mobility, Zebra was the first to introduce RFID mobile printers in the market.. The innovative ZQ630 Plus RFID printer gives your workers the flexibility to print and encode RFID labels with ease. Compatible with all current Zebra RFID technology, including tags and encoding schemes, it's easy to extend RFID to a mobile printer.

RFID setup is simple with automatic calibration features that eliminate complex RFID placement guidelines. Insert the RFID media into the ZQ630 Plus and RFID calibrate only once—no need to recalibrate with same-type media changes.

The Industry's First Wi-Fi 6 Mobile Printer
The ZQ630 Plus RFID offers fast, dependable wireless connections for your inside-the-four-walls applications. Take advantage of your Wi-Fi 6/6E network upgrade and get best-in-class WPA3 security, lightning-fast speeds and enhanced roaming. For flexibility, choose between 802.11ax/Bluetooth 5.3 or 802.11ac/Bluetooth 4.2 dual radio options, depending on your network environment.

Industry-Standard 802.11r Fast Roaming for Seamless Access
With support for 802.11r fast roaming technology, your workers can depend on a connection while they are on the move.

Business Tough—Built for All-Day Every Day Enterprise Use
While the ZQ630 Plus RFID is lightweight and comfortable to wear all shift long, it is loaded with features that give it long-lasting durability, including over-molding, a tempered-glass display and seamless one-piece design. The high-grade resin is one of the toughest plastics available for greater impact resistance.

Superior Battery Power and Power Management

Do More on a Single Charge
With the ZQ630 Plus RFID's high-capacity battery, you can be sure that every worker has plenty of power for every shift.

Boost productivity with the next evolution in mobile printing.
For more information about the ZQ630 Plus RFID, please visit www.zebra.com/zq630-plus-rfid

Plus Power Smart Print Technology™, Zebra's patented technology, maximizes efficiency by delivering the exact amount of power required for the highest quality printing, saving an estimated 20 to 30 percent of battery power.

Extraordinary Battery Management Capabilities

The ZQ630 Plus RFID's PowerPrecision+ battery delivers the ultimate in battery power and management. A wealth of easily accessible battery metrics makes it easy to identify aging batteries before they impact productivity.

An Advanced Platform That Grows with Your Business

Zebra Print DNA–Your Printers' Built-In Advantage

Print DNA's suite of software capabilities leverages everything we've learned about technology, users and thousands of use cases. Stay a step ahead with remote management tools, heightened security, and ongoing updates that enable your printers to work at their highest potential.

Robust Memory to Support Applications Today and Tomorrow

The ZQ630 Plus RFID offers 256 MB RAM and 512 MB Flash—providing more than enough memory for all your fonts, graphics and firmware upgrades needs.

Backward Compatible with QLn Accessories

With more than one million units sold, Zebra's QLn Series set the bar for mobile printing. Now, the ZQ630 Plus RFID raises the bar again. And since the ZQ630 Plus RFID is backward compatible with QLn accessories, you can upgrade to the latest platform and ingenuity without buying new accessories or rebuilding the settlement room.

Maximum Uptime with Comprehensive Remote Management Options

Resolve Problems Faster with the Ethernet Cradle

Remote management is easy with the ZQ600 Plus Series' Ethernet Cradle. By docking the printer in the cradle at the end of every shift, IT can remotely upgrade the firmware as needed to ensure that each printer is operating at peak performance. Should employees experience a problem, they can simply dock the printer into the cradle for a remote diagnosis—eliminating the downtime and costs associated with shipping a printer to the repair depot when nothing is physically wrong.

Easily Manage All Your Printers—All from a Single Location

With our comprehensive and flexible remote management tools, you can maintain, secure and troubleshoot printers simply and easily, from anywhere, anytime. Use the free Printer Setup Utilities to simplify setup and out-of-the-box configuration tasks. And with the optional Printer Profile Manager Enterprise, you can manage one printer, a group of specific printers or all printers anywhere in the world. This browser-based solution lets you instantly discover every Link-OS printer on your network—there's no need to manually track down, configure or troubleshoot printers.

Seamless Integration with Your Device Management System

Get the simplicity of a single-pane-of-glass to manage all your Zebra mobile devices and printers—including the ZQ630 Plus RFID. With Print DNA's MDM Connectors, you can easily integrate networked ZQ630 Plus RFID printers into your existing AirWatch or SOTI MobiControl device management system. And if you are using Ivanti Avalanche (powered by Wavelink), the ZQ630 Plus RFID offers support for Avalanche right out of the box.

Ensure Continued Reliability with Printhead Diagnostics

With the ZQ630 Plus RFID, you don't need to worry about downtime from a worn-out printhead. Our unique Printhead Diagnostics provide visibility into the health of printheads across your deployment, enabling you to take action before productivity is impacted.

Protect Sensitive Customer and Business Data with PrintSecure

This complimentary Print DNA utility makes it easy to configure over 30 settings to fine-tune printer security to protect your data and your infrastructure by creating secure printer connections and blocking unauthorized printer access.

Consistently Exceptional Zebra Certified Supplies

Zebra also offers the largest number of in-stock, on-demand RFID printing supplies, ready to ship within 24 hours. Carefully pretested, our general purpose and advanced inlays deliver exceptional performance to maximize the benefits of RFID in your operations. And, we offer customized solutions for unique label sizes and inlays you designate.

Maximize Uptime, Business Operations and Printer Visibility with Services

You invest in Zebra printers to better serve your customers and boost operational efficiency. Now, you can ensure predictable performance and eliminate unbudgeted repair expenses with Zebra OneCare™. You get unmatched technical support direct from Zebra, as well as comprehensive repair services, including accidental damage and defined repair turn-around times. And Zebra's Visibility Services provide the real-time insight into printer operational information you need to increase printer availability and optimize utilization within your workflows.

ZQ630 Plus RFID Accessories

The ZQ630 Plus RFID offers all the accessories you need, from power and charging to carrying and protection options, cables and more. For all the accessories available for the ZQ630 Plus RFID, please refer to the Mobile Printer Accessory Guide, at:
www.zebra.com/mobile-printer-accessories

Lithium-Ion Charging Accessories	
Ethernet Cradle	
 Single-bay Ethernet Cradle	Connect ZQ630/ZQ630 Plus RFID printers to your wired Ethernet network via the ZQ600 Series Ethernet Cradle to enable easy remote management by your IT or operations staff—helping to ensure each printer is operating optimally and ready for use. The Ethernet cradle can communicate over 10 Mbps or 100 Mbps networks using auto-sense. The single-bay ZQ600 Series Ethernet cradle also charges the battery while it is in the printer. The printer remains fully functional so you can print while it is in either cradle. The cradle's LED lights indicate DC power and Ethernet-link status. Remote printer management over your Ethernet allows: • Battery management for monitoring battery health. Knowing each battery's lifespan stage simplifies central management of your spare-battery pool. • Firmware management for updating printer firmware, eliminating the need for IT staff to travel to the local user site, or for the printer to be sent back to a central location for updating. • Print management for updating templates, fonts and graphics in order to print new label formats. • Device management for updating startup (e.g., config. sys), WML (front panel) or HTML (browser) files to enhance or change configuration and status collection. • Network management for updating encryption keys or certificate files to maintain the highest level of security. • Problem resolution and troubleshooting local printer issues that may otherwise require the printer to be sent in for repair. • Ability to manage Bluetooth printers, which traditionally have been off-network. What comes with the cradle? Unit with AC Adapter: Cradle, AC adapter, power cord and document CD including cradle user manual and installation guide. Cradle Unit: Cradle and document CD including cradle user manual and installation guide (AC adapter can be purchased separately).

AC Adapter	
	Connect the AC adapter to your ZQ630/ZQ630 Plus RFID printer and wall outlet to charge the printer's PowerPrecision+ battery while in the printer. The printer can print labels and perform other functions during charging. Shown with printer for reference purposes; printer is not included.

Vehicle Cradle	
	Dock and charge a single ZQ630/ZQ630 Plus RFID printer in a vehicle or on a forklift. Includes 15-60V DC power supply. Can be optionally used with a RAM Arm mount.

Lithium-Ion Charging Accessories

Battery Chargers



1-Slot Battery Charger



3-Slot Battery Charger



Dual 3-Slot Battery Charger with Y Cable Connection

Docks and charges a single PowerPrecision+ Li-Ion printer battery. Integrated power supply. Ships with line cord for your region.

Dock and charge up to three PowerPrecison+ Li-Ion printer batteries at a time. The 3-slot battery charger ships with a power supply and line cord for your region.

Dock and charge up to six PowerPrecision+ Li-Ion printer batteries at a time. The dual 3-slot battery charger ships with a power supply, Y-Cable and country specific power cord. Requires the appropriate line cord for your region.

Carrying Straps/Cases



Hand Strap: Allows the printer to be carried by hand.

Shoulder Strap: Allows the printer to be carried over the shoulder.

Soft Case: Add an extra layer of protection for harsh environments with a soft case. Case provides openings for changing the media and batteries and all connectors are accessible. Includes shoulder strap.

Hard Case: Add an extra layer of protection from abrasion in harsh environments with a hard case. Includes metal belt clip.

Specifications

RFID Features

• Supports tags compatible with UHF EPC Gen 2 V2, ISO/IEC 18000-63 and RAIN RFID protocols
• Adaptive Encoding Technology simplifies RFID setup and eliminates complex RFID placement guidelines
• RFID job-monitoring tools track RFID performance
• RFID ZPL commands provide compatibility with existing Zebra RFID printers
• Support for industry standard multi-vendor chip-based serialization (MCS)
• Supports encoding any RFID tag data standard, including SGTIN-96, DSGTIN+, GS1 TDS 2.0, RAIN ISO CIN, etc.
• Integrated RFID Reader/Encoder
• Prints and encodes tags with a minimum pitch of 16 mm

Standard Features

• Apple® iOS, Android™ and Windows® Mobile connectivity
• Direct thermal printing of barcodes, text and graphics
• CPCL, EPL™ and ZPL® programming languages
• 512 MB Flash supports downloadable programs, receipt formats, fonts and graphics (128 MB available for user storage)
• 6600 mAh (nominal) 47.5 Wh removable, rechargeable PowerPrecision + Li-Ion battery
• Built-in battery charger
• Belt clip for unobtrusive and convenient printing
• Black mark 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 media dispensing
• Center-loading media locking for variable roll widths
• "Clamshell" design for easy media loading
• Management: Mirror, SNMP, Web server, Profile Manager, AirWatch®, SOTI® MobiControl™ and Ivanti Avalanche® (powered by Wavelink)
• Large, easy-to-read color display (288 x 240 pixels)
• Color display can be customized using WML (text and icons)
• 5-way navigation buttons, two software defined keys
• Printer color alerts on the display
• Tolerance of multiple drops from 6 ft./1.83 m to concrete
• IP54 dust and water resistance rating
• 400 MHz 32-bit ARM processor
• XML support
• Supports vertical and horizontal printing
• Printers can be used in any orientation
• QR barcode links to web-based help pages
• Zebra Print Touch simplifies Bluetooth pairing and launches web-based help pages with Near Field Communication (NFC) enabled devices
• Label odometer
• NTP (Network Time Protocol) support via Wi-Fi or Ethernet
• Supports Zebra Network Connect manufacturing plant floor solution when used with the Ethernet cradle

Physical Characteristics

Dimensions	7.35 in. L x 6.5 in. W x 3.25 in. H 187mm L x 165 mm W x 82.5 H mm
Weight with battery	2.45 lbs/1.1 kg

Printer Specifications

Operating System	Link-OS®
Resolution	203 dpi/8 dots per mm
Memory	256 MB RAM; 512 MB Flash (standard)
Maximum Print Width	4.1 in./104 mm
Maximum Print Speed	Up to 4.5 in./115 mm per second
Media Sensors	Black mark sensing using fixed center position sensors; label present sensor for

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

Fonts and Graphics

Standard Fonts: 25 bitmapped, 1 smooth, scalable (CG Triumvirate Bold Condensed)*
Optional Fonts: downloadable bitmapped/scalable fonts
International Character Sets (optional): Chinese (traditional/simplified);
Japanese; Korean; Thai, Vietnamese
*Contains UFST® from Agfa Monotype Corporation

Communication and Interface Capabilities

ZebraNet® Wi-Fi 6 (802.11ax) dual radio with support for:• Simultaneous Bluetooth 5.3 with BT SIG Certification
• MIMO antenna design
• Operation on both the 2.4GHz and 5GHz frequency bands
• WPA3, WPA2, WPA
• 802.11k, 802.11v and 802.11r roaming standards
• TKIP and AES encryption
• 802.1x (with WPA or WPA2)
• EAP-FAST, EAP-TTLS, EAP-TLS, PEAP, LEAP
• 802.11d and 802.11i
• Fast roaming using Pairwise Master Key (PMK) caching, Opportunistic Key Caching (OKC), EAP Fast Session resumption or 802.11rZebraNet Wi-Fi 5 (802.11ac) dual radio with support for:• Simultaneous Bluetooth 4.2
• 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
• Wi-Fi Certification
• Fast roaming using Pairwise Master Key (PMK) caching, Opportunistic
Key Caching (OKC), EAP Fast Session resumption or 802.11rBluetooth 4.2 (Classic and BLE) radio• Security modes 1–4
• "Made for iPod/iPhone/iPad" certified
• Key Bonding10/100 Ethernet support (via charging 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

Print DNA Software

Durable printers are essential, but it's the software inside that will keep them in action. That's why we built Zebra Print DNA into our printers. It's a suite of software capabilities that give you the ability to optimize printer performance over their entire lifecycle even as your business needs evolve. For more information, please visit
www.zebra.com/printdna

Product Warranty

The ZQ630 Plus RFID printer is 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

Markets and Applications

Retail

• Mark Down Labels
• Replacement Tags
• Return Labels

Manufacturing/Warehouse

• RFID Case/Pallet Labels

Transportation and Logistics

• Shipping/Receiving Labels
• Forklift Mount
• Airline Baggage Tags
• Freight Management

Healthcare

• Specimen/Tissue Labels
• Hospital Pharmacy Labels
• Medical Devices
• Asset Tags

Printer Specifications

	issuing batch labels one at a time
Print Length	Minimum: 0.5 in./12.7 mm Maximum: 32 in./813 mm
Power	6600 mAh (nominal) 47.5 Wh removable PowerPrecision+ Li-Ion battery

Media Characteristics

Label and Liner Length	0.5 in./12.7 mm to 32 in./813 mm or continuous
Media Width	2.0 in./51 mm to 4.4 in./112 mm (linered)
Maximum Media Roll Size	2.6 in./66 mm O.D. on a 0.75 in./19 mm or 1.375 in./34.9 mm inner core
Thickness	3.2 mil to 5.5 mil tag stock or 7.5 mil label stock
Media Types	Die-cut labels and tags, receipt paper, RFID (ZQ630 Plus RFID compatible), black bar Note: ZQ630 Plus RFID requires black mark media and does not support gap sensing

Operating Characteristics

Environment	Operating Temp.: -4°F to 122°F/-20°C to 50°C Operating Humidity: 10% to 90% non-condensing Storage/Transportation Temp.: -13°F to 149°F/-25°C to 65°C[1] 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, TUV, CSA ENERGY STAR® certified
Security	FIPS support is available at no cost as a printer OS download. Please contact your Zebra Sales Representative for further information.

Firmware

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

Recommended Services

Zebra OneCare Essential and Select Services maximize 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
(Note: Service availability may vary by region.)

Features are subject to availability. Specifications are subject to change without notice.