ZQ600 Plus-HC Mobile Printers

Easily reduce the risk of errors in specimen collection with premium mobile printing at the point of care

Want to improve specimen labeling accuracy, staff productivity and patient safety? With the ZQ600 Plus Healthcare Series, you can. The ZQ600 Plus takes Zebra's popular QLn platform and makes it even better—adding advanced technology and innovative design that drive productivity, ease-of-use and manageability to a new level. Designed specifically for healthcare, these compact printers are built to withstand constant disinfecting. The color display takes all the guesswork out of printer status. Advanced battery technology powers every minute of the longest shift. The ZQ600 Plus offers fast, dependable wireless connections and your IT department will find the ZQ600 Plus easier to integrate, manage and secure, thanks to Zebra's powerful Print DNA™ suite of applications, utilities and developer tools.



Premium Features for Maximum Productivity

The Industry's First Wi-Fi™ 6 Mobile Printer
The ZQ600 Plus Series offers fast, dependable and secure wireless connections for your healthcare staff. 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
Support for 802.11r fast roaming technology delivers the dependable wireless connection your on-the-move staff needs.

Instant Wake-Up Over Wi-Fi
Every second counts in the mission-critical world of healthcare— that's why the ZQ600 Plus offers instant wake on Wi-Fi. This intelligent printer enters sleep mode when it is idle, and automatically wakes up the moment a user sends a print job, delivering instant availability—along with maximum battery cycle time. And the ZQ600 Plus' instant wake-up works over both Wi-Fi and Bluetooth.

Large Color Display Makes Configuration and Operation a Snap
It's easy to set up and maintain the ZQ600 Plus Series with its large display, user-friendly interface and easily customized menu. The display changes color when the printer is paused or in an error state, such as out of media or latch open, so users instantly know what the printer needs to stay up and running. And since the ZQ600 Plus Series is based on Zebra's Link-OS menu system, you'll get a common UI and user experience across other Zebra Link-OS mobile, desktop and industrial printers to lower the learning curve.

Business Tough—Built for All-Day Every Day Use
While the ZQ600 Plus 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 ZQ600 Plus Healthcare Series—boost staff productivity and specimen labeling accuracy with the next evolution in mobile printing.
For more information, please visit www.zebra.com/zq600-plus-hc-series

The high-grade resin is one of the toughest plastics available for greater impact resistance. And multiple mechanical design improvements further increase printer robust-ness and uptime.

Withstands Constant Disinfecting

The ZQ600 Plus Series is constructed using medical-grade, disinfectant-ready materials that can be safely cleaned between each use to help prevent the spread of germs in hospitals and clinics.

Superior Battery Power and Power Management

The Highest Battery Capacity in its Class

With the ZQ600 Plus Series' high capacity battery, you can be sure that every worker has plenty of power for every shift.

Do more with Zebra's Power Smart Print Technology™

This patented Zebra technology maximizes efficiency by delivering the exact amount of power required for the highest quality printing. Printers with PSPT save an estimated 20 to 30 percent of their battery power.

Extraordinary Battery Management Capabilities

The ZQ600 Plus Series' PowerPrecision+ battery delivers the ultimate in battery power and management. A wealth of easily accessible battery metrics makes it easier than ever to identify, remove and replace aging batteries before they impact productivity.

Advanced Platform Grows with Your Business

Print DNA, Your Printer's Built-in Advantage

Durable printers are essential, but it's the software inside that will keep them in action. Zebra Print DNA is a suite of software capabilities that gives you the ability to optimize printer performance over their entire lifecycle, even as your business needs evolve.

Robust Memory to Support Applications Today and Tomorrow

The ZQ600 Plus Series offers 256 MB RAM and 512 MB Flash—providing more than enough memory for all your fonts and graphics needs today, as well as all the firmware upgrades and new Print DNA tools for years to come.

Backward Compatible with QLn Accessories

With more than one million units sold, Zebra's QLn Series set the bar for accurate specimen labeling.

Now, the ZQ600 Plus Healthcare Series raises the bar again. And since the ZQ600 Plus Series is backward compatible with QLn accessories, you can upgrade to the latest platform and ingenuity without buying new accessories or rebuilding the settlement room.

Comprehensive Remote Management Options

Resolve Problems Faster with the Ethernet Cradle

Remote management is easy with the 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.

Easily Manage All Your Printers—All From a Single Location

Maintain secure and troubleshoot printers simply and easily, from anywhere, at 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.

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 ZQ600 Plus Series. Easily integrate networked ZQ600 Plus Series printers into your existing AirWatch or SOTI MobiControl device management system. And if you are using Ivanti Avalanche (powered by Wavelink), the ZQ600 Plus Series offers support for Avalanche right out of the box.

Ensure Continued Reliability with Printhead Diagnostics

With the ZQ600 Plus Series, our unique Printhead Diagnostics provide visibility into the health of printheads across your deployment.

Protect Sensitive Patient 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.

Maximize Uptime and Printer Visibility with Services

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 real-time insights to optimize utilization within your workflows.

ZQ600 Plus Healthcare Series Accessories and Supplies

The ZQ600 Plus Healthcare Series 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 ZQ600 Plus Healthcare Series, 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 and 4-bay Ethernet Cradle	Connect ZQ600/ZQ600 Plus printers to your wired Ethernet network via the ZQ600 Series Ethernet Cradle to enable easy remote management—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, while the 4-bay version (with optional wall mount kit) charges four printers at a time. The 4-bay version includes an internal Ethernet switch and second Ethernet port, so you can link and manage four 4-bay Ethernet cradles (a total of 16 printers) from one port. 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. 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 IEC 60601-compliant AC adapter to your ZQ600/ZQ600 Plus 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.

Battery Chargers	
	1-Slot Battery Charger: Docks and charges a single PowerPrecision+ Li-Ion printer battery. Integrated power supply. Ships with line cord for your region. 3-Slot Battery Charger: 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. Dual 3-Slot Battery Charger with Y Cable Connection: 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.

Zebra Certified Supplies

Labels



IQ Color Specimen Collection Label: Automate the identification of STAT specimens to increase accuracy and improve efficiency with IQ Color specimen collection labels. No need to remember to manually mark specimens with a red marker as STAT.

Standard Specimen Collection Label: Not ready to automate STAT identification yet, Zebra offers standard specimen collection labels in paper and moisture resistant polypropylene materials. These materials have been pre-tested by Zebra's Supplies R&D team in the ZQ600 and ZQ600 Plus to ensure high-quality, durable print to ensure reliable identification to reduce the need for label reprinting and re-draws due to lack of identification.

Specifications

Standard Features

• Disinfectant-ready plastics in a healthcare color scheme
• 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)
• 3250 mAh (nominal) 23.4 Wh removable, rechargeable PowerPrecision+ Li-Ion battery
• Built-in battery charger
• Belt clip for unobtrusive and convenient printing
• 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 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 5 ft./1.52 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	ZQ610 Plus: 6.73 in. L x 3.6 in. W x 2.85 in. H 170.9 mm L x 91.4 mm W x 72.4 mm HZQ620 Plus: 6.84 in. L x 4.64 in. W x 3.03 in. H 173.7 mm L x 117.9 mm W x 76.9 mm H
Weight With Battery	ZQ610 Plus: 1.33 lbs/0.6 kg ZQ620 Plus: 1.6 lbs/0.73 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	ZQ610 Plus: 1.9 in./48 mm ZQ620 Plus: 2.8 in./72 mm
Maximum Print Speed	Up to 4.5 in./115 mm per second
Media Sensors	Black mark and gap media sensing using fixed center position sensors; label present sensor for issuing batch labels one at a time
Print Length	Minimum: 0.5 in./12.7 mm Maximum: 32 in./813 mm
Power	3250 mAh (nominal) 23.4 Wh removable, rechargeable PowerPrecision+ Li-Ion battery

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
• PDF417, MicroPDF417, MaxiCode, QR Code, GS1/DataBar™ (RSS) family, Aztec, MSI/ Plessey, FIM Postnet, Data Matrix, TLC39

Fonts and Character Sets

Standard Fonts	25 bitmapped, 1 smooth, scalable (CG Triumvirate Bold Condensed[1])
Optional Fonts	Downloadable bitmapped/scalable fonts International Character Sets (optional): Chinese (traditional/simplified); Japanese; Korean; Thai, Vietnamese

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 802.11r

ZebraNet 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 802.11r

Bluetooth 4.2 (Classic and BLE) radio• Security modes 1 – 4
• Made for iPod/iPhone/iPad" certified

• Key Bonding
10/100 Ethernet support (via charging cradle)
Cabled Communications Specifications• USB 2.0 full-speed interface (12 Mbps)
• Mini-B connector with optional strain relief innovations

• Serial interface: 14-pin RS-232C port for communication to terminal or other host up to 115.2 Kbps

Options and Accessories

Following is a list of key accessories. Please refer to the Mobile Printer
Accessory Guide for a detailed list of all the accessories available for the
ZQ600 Plus Series:
Charging Options—inside the printer
• IEC 60601-certified AC adapter for medical environments
• Single cradle: single bay Ethernet and charging cradle with IEC60601 AC adapter
• Quad cradle: quad bay Ethernet and charging cradle and AC adapter, with internal switch and stacking port
Charging Options—outside the printer
• 1-bay, 3-bay and 6-bay battery chargers
Spare batteries
Carrying Options
• Shoulder strap: available in standard or healthcare version (healthcare
version offers the same tolerance to cleaning agents as the

Markets and Applications

Healthcare

• Mobile Specimen Collection
• Blood Bank Management
• Breast Milk Labeling

Media Characteristics

Label and Liner Length	0.5 in./12.7 mm to 32 in./813 mm or continuous
Media Width	ZQ610 Plus: 1.0 in./25mm to 2.18 in./55.4 mm ZQ620 Plus: 1.0 in./25 mm to 3.125 in./79 mm
Maximum Media Roll Size	ZQ610 Plus: 2.2 in./55.9 mm OD on a 0.75 in./19 mm or 1.375 in./34.9 mm inner core ZQ620 Plus: 2.6 in./66 mm OD on a 0.75 in./19 mm or 1.375 in./34.9 mm inner core
Thickness	2.3 mil to 5.5 mil tag stock or 6.5 mil label stock
Media Types	Die-cut labels and tags, linerless labels, receipt paper, black bar and gap

Operating Characteristics

Environment	Operating Temp.: 32°F to 122°F/0°C to 50°C Operating Humidity: 10% to 90% non-condensing Storage/Transportation Temp.: -13°F to 149°F/-25°C to 65°C1 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 languagesZBI 2.x™—powerful programming language that lets printers run standalone applications, connect to peripherals, and much more

Options and Accessories

printer)
• Hand strap
• Soft case
Linerless printing (with silicone platen roller only)—ZQ620 Plus only
ZBI 2.x
Printer stand for tabletop mounting
Serial and USB cables with strain relief

Product Warranty

The ZQ600 Plus 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

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.)

Print DNA Software

Durable printers are essential, but it's the software inside them 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

Footnotes

1. Contains UFST® from Agfa Monotype Corporation

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