

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

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 H ZQ620 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 printer operating system
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
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 languages ZBI 2.x™—powerful programming language that lets printers run standalone applications, connect to peripherals, and much more	
Barcode Symbolologies	
- 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)
Optional Fonts	Downloadable bitmapped/scalable fonts International Character Sets (optional): Chinese (traditional/simplified); Japanese; Korean; Thai, Vietnamese

Markets and Applications

Healthcare

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

PRODUCT SPEC SHEET

ZQ600 PLUS-HC MOBILE PRINTERS

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 models 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
- 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 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. Service availability may vary by region. For more information go to www.zebra.com/zebraonecare

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.



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