

# GK420 Healthcare Desktop Printers

## ENSURE PATIENT SAFETY AND COMPLIANCE. PRINT LABELS AND WRISTBANDS ANYWHERE IN YOUR HEALTHCARE FACILITY.

Safeguarding patient health is of utmost importance in the healthcare industry, followed by adhering to compliance standards. Now you can do both with Zebra's GK420™ Healthcare desktop printers. Part of Zebra's healthcare product line, GK420 Healthcare printers are engineered specifically for the medical field. Constructed using durable materials that withstand regular cleaning with harsh chemicals over their lifetime, these printers are wipeable to remove any potential germs or infectious liquids. And, GK420 Healthcare printers are designed with a medical-grade power supply that meets IEC 60601-1 standards to further protect patient and staff safety by reducing the risk of electrical shock. Now you can print labels and wristbands anywhere in your healthcare facility.



GK420d Healthcare



GK420t Healthcare

### Zebra OneCare Services

Increase printer uptime, and reduce lost productivity and unbudgeted repair costs, by selecting a Zebra® OneCare™ service agreement. A cost-effective means of planning and budgeting your annual maintenance expenditures, your agreement ensures that trained Zebra technicians will bring your printer back to factory specifications. Zebra offers a variety of plans to fit your budget and business needs.

### Industry-leading Construction for Healthcare Environments

Available in direct thermal or thermal transfer models, GK420 Healthcare printers can accommodate a broad range of applications in your healthcare setting.

#### Safeguarding Patient Health

Keeping instruments, tools and products that come into contact with patients clean of any potential germs, blood or infectious liquids is critical. And, cleaners can be harsh. GK420 Healthcare printers are built for years of performance in healthcare environments—including enduring continuous cleaning. And, they're available in a color palette designed specifically for the industry.

#### Adherence to Industry Standards

Power supply units for medical electrical equipment used throughout healthcare facilities must be certified to meet IEC 60601-1 specifications. Compliance can be complex and costly. GK420 Healthcare printers are designed specifically to meet these standards and reduce the risk of electrical shock. Additionally, these printers can produce labels that meet the Clinical and Laboratory Standards Institute® (CLSI) harmonization standard to help you further ensure industry compliance.

#### Certified for Healthcare Applications

As with all of Zebra's healthcare solutions, GK420 Healthcare printers are certified and recommended by all of the leading Electronic Health Records (EHR) providers. And, these printers are certified to print International Society of Blood Transfusion (ISBT) 128 blood bag labels.

#### Cleaning Made Simple

For a complete, approved list of cleaning agent ingredients compatible with GK420 Healthcare printers, see the separate "Guide to Disinfecting and Cleaning Zebra Healthcare Printers."



For more information about GK420 Healthcare Desktop Printers, visit [www.zebra.com/gk420](http://www.zebra.com/gk420) or access our global contact directory at [www.zebra.com/contact](http://www.zebra.com/contact)

## Achieve New Levels of Safety and Performance in Your Healthcare Environment

### Easy Integration

Advanced connectivity options include standard Serial / USB / Parallel communication and optional 10/100 Ethernet models, so these printers can be easily integrated into existing local or networked systems. And, native EPL™ and ZPL® programming languages ensure GK420 Healthcare printers fit in perfectly with other Zebra printers.

### Reliable Performance

Building on the GK420's proven reputation for reliable printing in space-constrained environments, the 4-inch GK420 Healthcare printers deliver advancements in healthcare-specific construction and electrical certifications. Consistently producing quality text, barcodes and graphics, your print jobs are always easily legible and barcodes are scannable to ensure positive patient identification and reduce errors. ENERGY STAR® 2.0 qualified, GK420 Healthcare printers help protect your budget and reduce your total cost of ownership.

### Ideal for Small Spaces

Easy to use, Zebra's 4-inch GK420 Healthcare printers boast an exceptionally small footprint that is ideal for patient exam rooms and laboratories. Loading media is a snap with Zebra's OpenACCESS™ clamshell design and simple ribbon-loading system. Fast print speeds help you get the job done quicker. Avoid wasted time and media with the standard auto-calibration feature.

### Genuine Zebra Supplies

Ensure consistent print quality, reduce downtime and increase productivity in your printing process with Genuine Zebra™ supplies. We manufacture each supplies product with the exact same materials every time so you always get crisp, readable and scannable output without needing to adjust the printer darkness setting between rolls.

- Extensively tested to ensure print quality, chemical resistance and adhesive strength means labels and wristbands are legible and scannable throughout a patient's entire stay.
- Unvarying materials deliver crisp, readable and scannable output without needing to adjust printer settings.
- Ability to create custom supplies in any size with pre-printed text, graphics and logos, for example partially printed pharmacy labels.
- Thermal printing allows you to easily print single labels on-demand, which reduces hassle and waste.
- Zebra's supplies engineered for the healthcare field are proven to be extremely resistant to harsh chemicals, moisture, scratching and smearing making them ideal for use in all healthcare environments.

## Zebra's GK420 Healthcare Printers are Available in Two Models: Thermal Transfer GK420T Healthcare and Direct Thermal GK420D Healthcare

### Direct Thermal vs. Thermal Transfer: Which Model Best Meets Your Needs?

Application	Recommended Print Technology
Laboratory and Surgery Center Labeling	<b>Thermal Transfer</b> — Labels on specimens may be subjected to harsh cleaning products, sterilization or temperature extremes. Thermal transfer printing typically provides more durable printed output.
Blood and Breast Milk Bank Labeling	<b>Thermal Transfer</b> — Donated blood and breast milk samples may be subjected to cleaning agents and temperature extremes. Thermal transfer printing offers a more-durable and longer-lasting printed output.
Medical Records Labeling	<b>Direct Thermal</b> — Use direct thermal if patient privacy is a concern or the labels will be used for a shorter period of time. Since direct thermal printers don't use a ribbon, there is no secondary record of the printed information that would require careful disposal. For longer lasting labels, thermal transfer may be required.
Prescription Labeling	<b>Direct Thermal</b> — With no secondary record of printed information, direct thermal printing offers added security in safeguarding patient privacy.
Asset Tracking Labeling	<b>Thermal Transfer</b> — Clinical equipment and other assets may be subjected to harsh cleaning products and identification may be required for several years. Labels printed with thermal transfer technology are more durable.



# GK420 Healthcare Specifications

## STANDARD FEATURES

- Programming language: EPL and ZPL
- Construction: dual-wall frame
- Tool-less printhead and platen replacement
- OpenACCESS for easy media loading
- Quick and easy ribbon loading
- Auto-calibration of media
- Triple connectivity: USB, Parallel, Serial
- Certified Microsoft® Windows® drivers
- ENERGY STAR qualified

## PRINTER SPECIFICATIONS

Resolution	203 dpi/8 dots per mm
Memory	Standard: 4 MB Flash; 8 MB SDRAM
Maximum Print Width	4.09"/104 mm
Maximum Print Speed	5"/127 mm per second
Media Sensors	Standard: Fixed reflective and transmissive sensors
Maximum Print Length	39"/991 mm

## MEDIA CHARACTERISTICS

Media Width	0.75"/19 mm to 4.25"/108 mm
Maximum Media Roll Size	5"/127 mm O.D. on a 1.00"/25.4 mm or 1.5"/38 mm I.D. core
Thickness	0.003"/0.08 mm to 0.0075" (0.19mm)
Media Types	Roll-fed or fan-fed, die-cut or continuous direct thermal labels with or without black line, tag stock, continuous receipt paper, wristbands

## RIBBON CHARACTERISTICS (Thermal-transfer models only)

Standard Length	244"/74 M
Width	1.33"/33.8 mm to 4.3"/110 mm
Core I.D.	0.5"/12.7 mm

## OPERATING CHARACTERISTICS

Environmental	Operating Temperature: 40°F to 105°F/4.4°C to 41°C Operating Humidity: 10% to 90% non-condensing Storage/Transportation Temperature: -40°F to 140°F/ -40°C to 60°C Storage Humidity: 5% to 95% non-condensing
Electrical	Auto-ranging external power supply with C14 type connector Output: 24 VDC, 3.125A Input: 100-240 VAC, 50-60 Hz ENERGY STAR qualified IEC 60601-1 Certified
Agency Approvals	Emissions: FCC Part 15, Subpart B (Class B), ICES 003, VCCI, C-Tick, CQC, EAC, KCC, BSMI, ICES-003 Emissions and Susceptibility: EN55022 (Class B), EN55024, EN61000-3-2, EN61000-3-3 Safety: CB Scheme IEC 60950-1, TUV NRTL, C-Tick, CCC, NOM, EAC, KCC, BSMI, BIS

## PHYSICAL CHARACTERISTICS

	Direct Thermal	Thermal Transfer
Length	8.25"/210 mm	10.0"/254 mm
Width	6.75"/171 mm	7.6"/193 mm
Height	6.0"/152 mm	7.5"/191 mm
Weight	3 lbs./1.4 kg	4.6 lbs./2.1 kg

## COMMUNICATION AND INTERFACE CAPABILITIES

RS-232 auto-sensing Serial interface, DB-9  
USB V1.1, bi-directional (standard)  
Centronics® parallel (standard)  
Ethernet — 10/100 internal (optional, replaces Serial and Parallel ports)

## SOFTWARE TOOLS

### ZebraLink Solutions

**Zebra Setup Utilities** — A Windows application to quickly set up and configure your Zebra printer.

**ZebraDesigner™** — Simple Windows WYSIWYG label design application with basic features.

**ZebraDesigner Pro** — Simple Windows WYSIWYG label design application offering more advanced features for more complex label designs.

**ZebraDesigner Windows Driver** — Microsoft certified for Windows Vista®, Windows 7, Windows 8, Windows 8.1, Windows 2008, and Windows 2012.

**ZBI-Developer™** — Programming utility makes it dramatically easier for programmers to create and test complex ZBI 2.0™ programs and distribute them to the printer (standard with ZBI 2.0).

**ZebraNet™ Bridge Enterprise** — Centrally manage Zebra printers from a single PC screen anywhere on your global network.

**ZebraNet Utilities v7.0** — Provides enhanced printing, conversion and administration capabilities; message management; and more.

### Web View

Connect and control Zebra barcode printers using ZPL II via the printer's web interface using common web browsers.

### Alert

Printers equipped with ZebraNet print servers will notify you via any email-enabled, wired, or wireless device to minimize downtime.

## FIRMWARE

**ZBI 2.0** — Optional powerful programming language that lets printers run stand-alone applications, connect to peripherals, and much more.

**ZPL and ZPL II®** — Zebra Programming Language provides sophisticated label formatting and printer control and is compatible with all Zebra printers.

**EPL and EPL2™** — Eltron® Programming Language with Line Mode simplifies label formatting and enables format compatibility with legacy applications. (EPL with Line Mode available on direct thermal models only.)

## BARCODE SYMBOLOGIES

Barcode Ratios: 2:1 (non-rotated) and 3:1

Linear Barcodes: Codabar, Code 11 (ZPL), Code 128, Code 39, Code 93, Code 93, EAN-13, EAN-8, EAN-14 (ZPL), German Post Code (EPL), Industrial 2-of-5 (ZPL), Interleaved 2-of-5, Japanese Postnet (EPL), ISBT-128 (ZPL), Logmars (ZPL), MSI, Plessey, Postnet, GS1 DataBar (RSS-14), Standard 2-of-5 (ZPL), UCC/EAN-128 (EPL), UPC and EAN 2 or 5 digit extensions (ZPL), UPC-A, UPC-A and UPC-E with EAN 2 or 5 digit extensions, UPC-E, and GS1 Databar (formerly RSS)

2D Barcodes: Codablock (ZPL), Code 49 (ZPL), Data Matrix, MaxiCode, QR Code, PDF417, MicroPDF417, Aztec (For EPL and ZPL except where noted)

## FONTS AND GRAPHICS

16 resident expandable ZPL fonts

One resident scalable ZPL font

Five resident expandable EPL2 fonts

Supports user-defined fonts and graphics — including custom logos

Native open type font support

Unicode™ compliant for multi-language, on-demand thermal printing

ZPL II drawing commands — for boxes and lines

1.5 MB user-available non-volatile memory storage for downloadable objects

3 MB user-available SDRAM

## OPTIONS AND ACCESSORIES

Dispenser — label peel and present with label present sensor

ZebraNet® 10/100 Print Server — Internal Ethernet for network communication and printing

ZebraNet 10/100 Print Server--External Ethernet option connects via Parallel port

Font Packs — Asian and other international font kits

ZKDU™ keyboard display unit

For optimum print quality and printer performance, use Genuine Zebra supplies. Specifications subject to change without notice.

## Ideal for These Applications

- Medication identification in the pharmacy
- Sample processing and slide labeling in the lab
- Tissue identification and implant tracking in the surgery center
- Blood bank labeling
- Breast milk bank labeling
- Medical records labeling
- Compliance labeling
- Asset identification and tracking

**PRODUCT SPEC SHEET**

GK420 HEALTHCARE DESKTOP PRINTERS



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