



Zebra® GK420™ Healthcare Printer

TCG



SEE MORE. DO MORE.



GK420d Healthcare



GK420t Healthcare

The Challenge

Safeguarding patient health is of utmost importance in the healthcare industry, followed by adhering to compliance standards. New government regulations impose substantial penalties for noncompliance with patient-safety mandates.

Keeping instruments, tools and products that come into contact with patients clean of any potential germs, blood or other infectious liquids is critical. And, cleaners can be harsh. Healthcare facilities need devices that can withstand regular cleaning and enable compliance.

Additionally, power supply units for medical electrical equipment used throughout healthcare facilities must be certified to meet IEC 60601-1 specifications. Complying with these standards can be complex and costly.

The Solution

Protecting patient safety and ensuring compliance with standards just got easier with Zebra's GK420 Healthcare printers. Part of Zebra's healthcare product line, GK420 Healthcare desktop printers are constructed using durable materials designed to withstand regular cleaning with harsh disinfectant chemicals over their lifetime.

Engineered for years of performance specifically in healthcare environments, these printers come in a color palette designed for the industry. 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, healthcare professionals can print labels and wristbands anywhere in a healthcare facility.

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

ACHIEVE NEW LEVELS OF HIGH PERFORMANCE WITH INCREASED PRODUCTIVITY, FLEXIBILITY AND IMPROVED ROI.

Easy Integration

Available in both direct thermal and thermal transfer models, GK420 Healthcare printers can accommodate a broad range of applications in a healthcare setting. Advanced connectivity options include standard Serial/USB/Parallel communication and optional USB/Ethernet models, so these printers can be easily integrated into existing local or networked systems. And, native ZPL[®] and EPL[™] 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. Featuring a medical-grade power supply and constructed with durable, disinfectant-ready materials in the desired healthcare color palette, these printers can withstand regular cleaning with harsh chemicals over their lifetime to perform anywhere in the healthcare environment.

Adherence to Industry Standards

Designed with a medical-grade power supply certified to IEC 60601-1 standards, GK420 Healthcare printers protect patient and staff safety by reducing the risk of electrical shock. And, these printers can produce labels that meet the Clinical and Laboratory Standards Institute[®] (CLSI) harmonization standard.

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.

Space and Cost Savings

Easy to use, GK420 Healthcare printers boast the smallest footprint of any 4-inch desktop printer and the easiest ribbon-loading system available. ENERGY STAR[®] 2.0 qualified, these printers also reduce operational costs.

Cleaning Made Simple

The following cleaning agent ingredients are safe to use on GK420 Healthcare printers:

- Isopropyl and Ethyl alcohol (including wipes)
- Ammonium
- Hydrogen peroxide
- Phosphoric acid
- Bleach/sodium hypochlorite
- Mild dish soap

Recommended cleaning agents include:

- Windex[®] Blue (or Isopropyl alcohol-based equivalent)
- CaviCide[®] (or Isopropyl and Ethyl alcohol-based equivalent)
- Lysol[®] Healthcare (or hydrogen peroxide-based equivalent)
- Wescodyne[®] (or phosphoric acid-based equivalent)
- 409[®] Glass and Surface Cleaner (or dimethyl benzyl ammonium chloride or other ammonium-based equivalent)



SPECIFICATIONS AT A GLANCE



Printer Name

GK420d Healthcare (direct thermal)
GK420t Healthcare (thermal transfer)

Standard Features

- Print methods: thermal transfer or direct thermal
- Programming language: EPL and ZPL are standard
- 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
- ENERGY STAR * qualified

Printer Specifications

Resolution

203 dpi/8 dots per mm

Memory

Standard: 4 MB Flash; 8 MB SDRAM

Print Width

4.09"/104 mm

Maximum Print Length

39"/991 mm

Maximum Print Speed

5"/127 mm per second

Media Sensors

Standard: Fixed reflective and transmissive sensors

Media Characteristics

Label and Liner Length

- Maximum non-continuous: 39"/991 mm
- Minimum label length: .38"/9.7 mm

Maximum Label and Liner Width

0.75"/19 mm to 4.25"/108 mm

Maximum Media Roll Size

5"/127 mm O.D.

Media Thickness

0.003"/0.08 mm to 0.0075"/0.19 mm

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

- Outside diameter: 1.36"/35 mm
- Standard length: 244'/74 m
- Ratio: 1:1 media to roll to ribbon
- Width: 1.33"/33.8 mm to 4.3"/109.2 mm
- Core inner diameter: 0.5"/12.7 mm

Operating Characteristics

Environmental

- Operating temperature: 40° F/4.4° C to 105° F/41° C
- Storage temperature: -40° F/-40° C to 140° F/60° C
- Operating humidity: 10% to 90% non-condensing
- Storage humidity: 5% to 95% non-condensing

Electrical

- Auto-detectable (PFC Compliant) 100-240VAV, 50-60Hz
- ENERGY STAR qualified
- IEC 60601-1 Certified

Agency Approvals

- Emissions: FCC Part 15, Subpart B (Class B), ICES 003
- Emissions and Susceptibility: EN55022 (Class B), EN55024, EN61000-3-2, EN61000-3-3
- Safety: CB Scheme IEC 60950-1, TUV NRTL

Physical Characteristics

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

ZebraLink™ Solutions

Software

- ZebraDesigner™ Pro
- ZebraDesigner
- ZebraNet™ Bridge Enterprise
- ZebraNet Utilities v7.0
- ZebraDesigner Windows Driver
- ZBI-Developer™
- POS Driver

Networking and Connectivity

Ethernet - 10/100 internal (optional)

Firmware

- EPL2™
- EPL Line Mode (direct thermal only)
- ZPL II *
- Web View
- Alert
- ZBI™

Communication and Interface Capabilities

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

Fonts/Graphics/Symbologies

Fonts and Character Sets

- 16 resident expandable ZPL II bitmap fonts
- One resident scaleable ZPL font
- Five resident expandable EPL2 fonts
- Native open type font support
- Unicode™ compliant for multi-language, on-demand thermal printing

Graphic Features

- Supports user-defined fonts and graphics—including custom logos
- ZPL II drawing commands—for boxes and lines

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

Options and Accessories

- ZebraNet * 10/100 Print Server—Internal Ethernet for network communication and printing
- Font Packs—Asian and other international font kits
- ZKDU™ and KDU Plus™ keyboard display units for stand-alone printing solutions
- Interface cables and adapters

VAMC Kit Number: GK420-HCTT-ETH

Zebra TCG GK420 Lab/Specimen printer, 203 DPI, ZPLII language, USB, ethernet and serial interfaces, healthcare wipeable plastic, medical grade power supply.



+1 410 239 6808
sales@tcg-llc.net
www.tcgbarcode.com