Zebra® Advanced Desktop Printers

GK420t™ (direct thermal/thermal transfer)
GK420d™ (direct thermal)

SEE MORE. DO MORE.

Advanced, Affordable and Flexible

Zebra's advanced line of desktop printers features professional-quality, reliable printing at a competitive price. The dependable performance and advanced features of the G-Series™—along with fast print speeds, network manageability and easy-load designs—enable users to improve operational efficiencies, boost profitability and reduce downtime.

The GK printer models are flexible, making them a top choice for a variety of mid-volume and distributed-printing applications. Reliably producing quality text, barcodes or graphics, this advanced line offers three connectivity interfaces and easy upgrades with ZPL® and EPL™ programming languages.

The GK420t offers direct thermal and thermal transfer printing power in a sleek, compact design. The GK420d offers only direct thermal printing.

For healthcare-specific environments, Zebra offers the GK420 Healthcare printer—available in both thermal transfer and direct thermal models. These printers feature disinfectant-ready plastics in the healthcare color palette to protect patient safety along with a medical-grade power supply that meets IEC 60601-1 standards to reduce the risk of electrical shock.

A small footprint and affordable quality make these advanced printers an excellent choice for companies worldwide.

Ideal for These Applications

Healthcare: patient identification, pharmacy and product labeling

Retail: price marking, coupon and receipt printing, inventory and product labeling

Transportation & Logistics: shipping labels

Hospitality & Leisure: boarding passes, bag tags

Security: visitor ID, evidence tracking, parking passes

Manufacturing: light-industrial work-in-process and product labeling

SPECIFICATIONS AT A GLANCE*

Printer Name

GK420t
GK420d

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
- Certified Microsoft® Windows® drivers
- 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

Maximum Label and Liner Length

Maximum non-continuous: 39"/991 mm

Maximum Label and Liner Width

0.75"/19 mm - 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 printers

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
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

- RG-Series models triple interface standard
- 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

- Dispenser—label peel and present with label present sensor
- 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

GK420 Series Printers

ENERGY STAR

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*Specifications subject to change without notice.

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