



Zebra® Advanced Desktop Printers



SEE MORE. DO MORE.

GK420t™ (direct thermal/thermal transfer)

GK420d™ (direct thermal)



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's sleek and compact design offers both direct thermal and thermal transfer printing power, while the GK420d offers only direct thermal printing but with wider format functionality.

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 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

Travel & Hospitality: 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) offered in combination with USB and Serial interface (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



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*Specifications subject to change without notice.

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