Zebra® Advanced Desktop Printers

GK420t™ (direct thermal/thermal transfer)
GK420d™ (direct thermal)
GT800™ (direct thermal/thermal transfer)

ZEBRA TECHNOLOGIES

SEE MORE. DO MORE.

Advanced, Affordable and Flexible

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

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

The GK420t and GT800 offer direct thermal and thermal transfer

printing power in sleek and compact designs. The GT800 features a 300-meter ribbon for fewer ribbon changes along with a standard moveable sensor. Additional GT800 options include 300 dpi and a full-width cutter or peel dispenser. 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 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

SPECIFICATIONS AT A GLANCE*

Printer Name

GK420t
GK420d
GT800 (not available in North America)

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
- 300 meter ribbon capacity (GT800 Model only)
- 32 bit RISC processor (GT800 Model only)
- Certified Microsoft® Windows® drivers
- ENERGY STAR® qualified

Printer Specifications

Resolution

- 203 dpi/8 dots per mm
- Optional 300 dpi/12 dots per mm (GT800 Model only)

Memory

- GT800 Model: 8MB Flash, 8MB SDRAM
- G-Series GK Models: 4MB Flash, 8MB SDRAM (standard)

Print Width

4.09"/104 mm

Maximum Print Length

39"/991 mm

Maximum Print Speed

- 5"/127 mm per second (203 dpi)
- 4"/102 mm per second (300dpi, GT800 Model only)

Media Sensors

- GT800 Model: Multi-position transmissive and full-width reflective sensor
- G-Series GK Models: Fixed reflective and transmissive sensors

Media Characteristics

- Maximum Media Roll Size: 5"/127 mm O.D. on a 1"/25.4 mm, 1.5"/38 mm I.D. core
- Media Thickness: 0.003"/0.08 mm ~ 0.007"/0.18 mm

GT800 Model

- Media Width: 0.75"/19 mm to 4.49"/114 mm
- Media Length: 0.25"/6.5 mm to 39"/991 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, and liner-free direct thermal media

G-Series GK Models

- Maximum Label and Liner Length: Maximum non-continuous: 39"/991 mm
- Maximum non-continuous: 39"/991 mm
- Maximum Label and Liner Width: 0.75"/19 mm to 4.25"/108 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

GT800 Model

- Outside Diameter: 2.6"/66 mm (300 m); 1.34"/34 mm (74 m)
- Standard Length: 984' (300 m); 244' (74 m)
- Ratio:
  - 1:4 media to roll to ribbon (300 m)
  - 1:1 media to roll to ribbon (74 m)
- Width: 1.33"/33.8 mm ~ 4.3"/110 mm
- Core I.D.:
  - 300 m ribbon 1"/25.4 mm
  - 74 m ribbon 0.5"/12.7 mm

G-Series GK Models

- 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

GT800 Model

TUV-R NRTL, TUV-R CB, NOM, KCC, CE, FCC Class-B

G-Series GK Models

- 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
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Physical Characteristics

GT800 Model

- Width: 7.75"/197 mm
- Height: 7.25"/184 mm
- Depth: 10.75"/273 mm
- Weight: 5.8 lbs/2.63 kg

G-Series GK Models

	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

Fonts/Graphics/Symbologies

Fonts and Character Sets

- 16 resident expandable ZPL fonts
- One resident scalable ZPL font
- 5 resident expandable EPL2 fonts
- Supports user-defined fonts and graphics — including custom logos (GT800 Model)
- Native open type font support (G-Series GK Models)
- Unicode™ compliant for multi-language, on-demand thermal printing (G-Series GK Models)

Options and Accessories

- Dispenser: Label peel and present with label present sensor
- Full-width cutter (GT800 Model)
- ZebraNet 10/100 Print Server: Internal Ethernet for network communication and printing
- ZKDU™ and KDU Plus™ keyboard display units for stand-alone printing solutions
- Font Packs—Asian and other international font kits (G-Series GK Models)
- 300 dpi/12 dots per mm (GT800 Model)

Barcode Symbologies

- Bar Code Ratios: 2:1 (non-rotated) and 3:1
- Linear Bar Codes: 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)

Communication and Interface Capabilities

- Centronics® Parallel (36 pin) connector ports
- RS-232 Serial interface
- USB V1.1 interface, bi-directional
- Optional Ethernet—10/100 internal (replaces Serial and Parallel ports in G-Series GK Models; replaces Parallel port in GT800 Model)

Zebralink™ Solutions

Software

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

GT800 Model

- Zebra Setup Utilities

G-Series GK Models

- ZebraDesigner Windows Driver
- POS Driver

Networking Options

Ethernet - 10/100 internal (optional)

Firmware

- ZPL II®
- EPL2™
- Web View
- Alert

GT800 Model

- ZBI 2.0™ (optional)

G-Series GK Models

- EPL Line Mode (direct thermal only)
- ZBI™

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ENERGY STAR