Zebra™ Advanced Desktop Printers

ZEBRA

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

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 good 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 moveable sensor. Additional GT800 options include 300 dpi and a full-width cutter or peel dispenser. The GK420d offers only direct thermal printing.

Suitable for space-constrained environments, these printers have a small footprint and clamshell design. Simplify setup and operation with an easy ribbon-loading system and auto calibration. Affordable quality and reliable performance make these printers an excellent choice for companies worldwide.

Suitable **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

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)
- 32bit RISC processor (GT800 Model only)
- Certified Microsoft™ Windows™ drivers
- ENERGY STAR™ qualified

Printer Specifications

Resolution

- 203dpi/ 8dots per mm
- Optional 300dpi/12dots 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"/ 104mm

Print Length Up to

39"/ 991mm

Print Speed Up to

- 5"/ 127mm per second (203dpi)
- 4"/ 102mm 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

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

GT800 Model:

- Media Width: 0.75~4.49"/ 19~114mm
- Media Length: 0.25"~39"/ 6.5~991mm
- 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:

- Label and Liner Length:
  non-continuous: 39"/ 991mm
- non-continuous: 39"/ 991mm
- Label and Liner Width **Up to**:
  0.75~4.25"/ 19~108mm
- 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"/ 66mm (300m); 1.34"/ 34mm (74m)
- Standard Length: 984'/ 300m; 244'/ 74m
- Ratio: – 1:4 media to roll to ribbon (300m)
          – 1:1 media to roll to ribbon (74m)
- Width: 1.33"~4.3"/ 33.8~110mm
- Core I.D.: – 300m ribbon 1"/ 25.4mm
            – 74m ribbon 0.5"/ 12.7mm

G-Series GK Models

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

Operating Characteristics

Environmental

- Operating Temperature: 40~105˚F/ 4.4~41˚C
- Storage Temperature: -40~140˚F/ -40˚~60˚C
- Operating Humidity: 10% ~ 90% non-condensing
- Storage Humidity: 5% ~ 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

Physical Characteristics

GT800 Model:

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

G-Series GK Models:

	(Direct Thermal)	(Thermal Transfer)
Width:	6.75"/ 171mm	7.6"/ 193mm
Height:	6"/ 152mm	7.5"/ 191mm
Depth:	8.25"/ 210mm	10"/254mm
Weight:	3 lbs/ 1.4kg	4.6 lbs/ 2.1kg

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)
- 300dpi/ 12dots 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 (36pin) 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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