

# Zebra® G Series™



## Always a Perfect Fit

Zebra's G-Series compact desktop printers for print widths up to 4 inches deliver best-in-class speed and performance. From the basic GK™ model to the feature-rich GX™ model, the G-Series printers are reliable, durable, and flexible to fit almost any low- to mid-volume printing application and budget.

## Fitting Choices

Built with Zebra durability and reliability, the G-Series GK model provides the best value of all basic desktop thermal printers, while the premier GX model supports a variety of industries and applications with the widest range of features. Choose the space-saving direct thermal version of either model for the smallest footprint of any 4-inch desktop printer, or the direct thermal/thermal transfer version to save users time with the easiest ribbon-loading system available.

With both EPL™ and ZPL® programming languages native on all models, G-Series printers fit in perfectly with other Zebra printers. And a variety of connectivity options makes them easy to integrate into existing local or networked systems.

Zebra's G-Series printers are a smart investment, and always a perfect fit.

## Zebra's G-Series printers support many applications, including:

- Retail price marking, gift registry, and coupon and receipt printing
- Retail pharmacy prescription labeling
- Healthcare specimen labeling and patient tracking
- Light-industrial work-in-process, product and shipping labeling
- Security applications: visitor ID, evidence tracking, parking passes
- Travel/Hospitality: boarding passes, bag tags, ski lift tickets

[www.zebra.com/g-series](http://www.zebra.com/g-series)



# Zebra G-Series

## Meet the G Series!

Providing ease of use and durability, the G-Series GK and GX models are reliable desktop printing solutions that are always a perfect fit.

You'll feel like they're designed just for you because they offer such a broad array of options. And with both EPL and ZPL pre-installed, you can even switch between languages depending on desired label format.

### Basic GK Model: Your Best Value

The Zebra GK model is your best value in a basic desktop thermal printer. Its enhanced performance delivers fast print speeds of up to 5 inches per second and fast first label out. USB and serial connectivity interfaces come standard, or use the ZebraNet® 10/100 Print Server option for distributed printing.

### Best-in-Class GX Model: Feature-Rich

The Zebra GX model is best in class with the widest range of features in a desktop thermal printer. It delivers even faster first-label-out and, at 6 inches per second, offers the fastest desktop printer speed on the market. More connectivity choices—USB/serial/parallel, 10/100 Ethernet, and wireless—ensure easy system integration. An LCD panel, included with wireless options, displays prompts and wireless status.

And with options that increase your media flexibility, such as a movable sensor, a peeler, and cutter for labels or receipts—plus a version with 300-dpi resolution—the GX model fits a variety of applications and environments.

## GK420D™



Well-suited to retail, healthcare and manufacturing industries, the extra compact GK420d direct thermal printer is the perfect fit wherever you need a low-priced, space-saving printer for receipts, coupons, labels or tags. Along with fast print speeds of up to 5 inches per second, it offers USB/serial connectivity and a 10/100 Ethernet option.

### Print Speed

Maximum print speed 5"/127 mm per second

### Resolution

203 dpi/8 dots per mm

### Memory

8 MB SDRAM  
4 MB Flash

### Connectivity

Serial RS-232  
USB V1.1  
ZebraNet 10/100 Ethernet (optional)

### Programming Languages

EPL and ZPL co-resident

### Maximum Print Area

Width: 4.09"/104 mm  
Length: 39"/991 mm

### Media Specifications

Label and liner width: 0.75"/19 mm to 4.25"/108 mm

## GK420T™



With the GK420t direct thermal/thermal transfer printer, use Zebra's easy ribbon-loading thermal transfer technology to produce crisp, long-lasting label images, or direct thermal technology to print receipts and labels for indoor, short-term use. The GK420t is well-suited to any industry, and provides the same print speeds and connectivity options as the GK420d.

### Print Speed

Maximum print speed 5"/127 mm per second

### Resolution

203 dpi/8 dots per mm

### Memory

8 MB SDRAM  
4 MB Flash

### Connectivity

Serial RS-232  
USB V1.1  
ZebraNet 10/100 Ethernet (optional)

### Programming Languages

EPL and ZPL co-resident

### Maximum Print Area

Width: 4.09"/104 mm  
Length: 39"/991 mm

### Media Specifications

Label and liner width: 0.75"/19 mm to 4.25"/108 mm  
Ribbon width: 1.33"/33.8 mm to 4.3"/109.2 mm  
Ribbon length: 244/74 m

## GX420D™



The direct thermal GX420d is extra compact to fit in congested workspaces and produces 203-dpi print resolution at speeds up to 6 inches per second. Its wide range of options include 802.11b/g or Bluetooth® wireless connectivity and 10/100 Ethernet, in addition to standard USB/serial/parallel. Increase your media choices and application flexibility with cutter, peeler, and adjustable black line sensor options.

### Print Speed

Maximum print speed 6"/152 mm per second

### Resolution

203 dpi/8 dots per mm

### Memory

8 MB SDRAM  
4 MB Flash  
64 MB (68 MB total) Flash with RTC (optional)

### Connectivity

Serial RS-232  
USB V1.1  
Parallel  
ZebraNet 10/100 Ethernet (optional)  
802.11b/g wireless (optional)  
Bluetooth wireless (optional)  
Wireless options include LCD for visual communication

### Programming Languages

EPL and ZPL co-resident

### Maximum Print Area

Width: 4.09"/104 mm  
Length: 39"/991 mm

### Media Specifications

Label and liner width: 0.75"/19 mm to 4.25"/108 mm

## GX420T™



The direct thermal/thermal transfer GX420t has the easiest ribbon-loading system around. Like the GX420d, it produces 203-dpi print resolution at speeds up to 6 inches per second, and like all GX models, it's well-suited to a variety of applications and industries thanks to a wide choice of options.

### Print Speed

Maximum print speed 6"/152 mm per second

### Resolution

203 dpi/8 dots per mm

### Memory

8 MB SDRAM  
4 MB Flash  
64 MB (68 MB total) Flash with RTC (optional)

### Connectivity

Serial RS-232  
USB V1.1  
Parallel  
ZebraNet 10/100 Ethernet (optional)  
802.11b/g wireless (optional)  
Bluetooth wireless (optional)  
Wireless options include LCD for visual communication

### Programming Languages

EPL and ZPL co-resident

### Maximum Print Area

Width: 4.09"/104 mm  
Length: 39"/991 mm

### Media Specifications

Label and liner width: 0.75"/19 mm to 4.25"/108 mm  
Ribbon width: 1.33"/33.8 mm to 4.3"/109.2 mm  
Ribbon length: 244/74 m

## GX430T™



This direct thermal/thermal transfer desktop printer includes a 300-dpi printhead to ensure high-quality, crisp, clear printing of 2-D bar codes, fine text and complex graphics—ideal for high-density data on small labels. Like the GX420t, it has the widest range of features and the easiest ribbon-loading system of any desktop printer on the market. It prints up to 4 inches per second.

### Print Speed

Maximum print speed 4"/102 mm per second

### Resolution

300 dpi/12 dots per mm

### Memory

8 MB SDRAM  
4 MB Flash  
64 MB (68 MB total) Flash with RTC (optional)Serial

### Connectivity

Serial RS-232  
USB V1.1  
Parallel  
ZebraNet 10/100 Ethernet (optional)  
802.11b/g wireless (optional)  
Bluetooth wireless (optional)  
Wireless options include LCD for visual communication

### Programming Languages

EPL and ZPL co-resident

### Maximum Print Area

Width: 4.09"/104 mm  
Length: 39"/991 mm

### Media Specifications

Label and liner width: 0.75"/19 mm to 4.25"/108 mm  
Ribbon width: 1.33"/33.8 mm to 4.3"/109.2 mm  
Ribbon length: 244/74 m

# Specifications at a Glance\*

## 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

## Printer Specifications

### Resolution

- 203 dpi/8dots per mm;
- 300 dpi/12 dots per mm (GX430t model)

### Memory

- Standard: 4 MB Flash; 8 MB SDRAM
- Optional: 8 MB (12 MB total) Flash with RTC (GX models)

### Print width

4.09"/104 mm

### Maximum Print length

39.0"/990 mm

### Maximum Print speed

- GK420: 5"/127 mm per second
- GX420: 6"/152 mm per second
- GX430: 4"/102 mm per second

### Media sensors

- Standard: Fixed reflective and transmissive sensors
- Optional: Adjustable reflective black line sensor (GX models)

## Media Characteristics

### Maximum label and liner length

Maximum non-continuous: 39"/991 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 43"/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: 5% to 95% non-condensing
- Storage humidity: 5% to 95% non-condensing

### Electrical

Auto-detectable (PFC Compliant) 100-240VAV, 50-60Hz

### Agency Approvals

- Emissions: FCC Part 15, Subpart B, VCCI, C-Tick
- Emissions and Susceptibility: (CE): EN55022 Class-B, EN61000-3-2, EN61000-3-0 and EN55024, CCC
- Safety: CB Scheme IEC IEC 60950:1991 +A1 +A2 +A3 +A3 +A4, TUV NRTL, IRAM NOM, AAMI, CCC

## 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
- Zebra Universal Driver
- ZebraDesigner Driver

### Networking/Connectivity

- ZebraNet® 10/100 Print Server (optional)
- 802.11b/g wireless (optional on GX model)
- Bluetooth wireless (optional on GX model)
- Wireless options include LCD for visual communication

### Firmware

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

## Communication and Interface Capabilities

- GX models triple interface standard
- RS-232 serial interface, DB-9
- USB V1.1, bi-directional
- Parallel DB-25 female connector
- ZebraNet 10/100 Print Server (optional)—replaces parallel
- 802.11b/g wireless (optional)—replaces parallel
- Bluetooth wireless (optional)—replaces parallel
- Wireless options include LCD for visual communication

- GK models dual interface standard RS-232 serial interface, DB-9
- USB V1.1, bi-directional
- ZebraNet 10/100 Print Server (optional)—replaces serial

## 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

### Bar Code 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)

## Options and Accessories

- Dispenser—label peel and present with label present sensor
- ZebraNet 10/100 Print Server—Internal Ethernet for network communication and printing
- 802.11b/g wireless (optional)
- Bluetooth wireless (optional)
- Wireless options include LCD for visual communication
- Adjustable media sensor for black line media—GX models only
- Cutter for various media types—GX models only
- 64 MB Flash memory with real-time clock (for total of 68 MB)—GX models only
- Font Packs—Asian and other international font kits
- KDU Plus™ and KDU™ keyboard display units for stand-alone printing solutions

\*Specifications subject to change without notice.

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