

# Zebra® G-Series™

Thermal Desktop Printers for Labels, Receipts and Tags



## 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 printers

*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

## Zebra G-Series printers



➔ **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  
8 MB (12 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  
8 MB (12 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  
8 MB (12 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

## Zebra G-Series printers

Always a perfect fit, Zebra's G-Series desktop printers support a variety of applications with the basic GK models to the feature-rich GX models.



### 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/SYMBOLOLOGIES

##### 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 Symbolologies

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  
8 MB Flash memory with real-time clock (for total of 12 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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An ISO 9001 registered company  
GSA#: GS-35F-0268N  
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# 14261L (3/08) XM