

# 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.

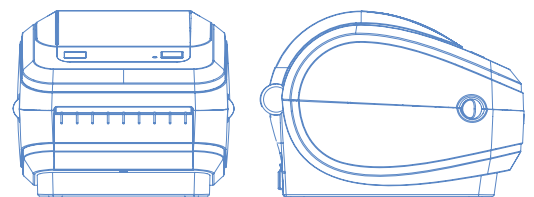
With both EPL™ and ZPL® programming languages native on all models, G-Series printers fit in perfectly with other Zebra printers. And a variety of connectivity options makes them easy to integrate into existing local or networked systems.

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.  
©2008 ZIH Corp. EPL, EPL2, OpenACCESS, ZebraLink and all product names and numbers are Zebra trademarks, and Zebra, the Zebra head graphic, ZPL, ZPL II, and ZebraNet are registered trademarks of ZIH Corp. All rights reserved. Bluetooth is a registered trademark of Bluetooth SIG, Inc. Unicode is a trademark of Unicode, Inc. All other trademarks are the property of their respective owners.



#### GLOBAL/AMERICAS HEADQUARTERS

Zebra Technologies Corporation  
333 Corporate Woods Parkway  
Vernon Hills, IL 60061-3109 U.S.A.  
T: +1 847 793 2600 or  
+1 800 423 0442  
F: +1 847 913 8766

#### EMEA HEADQUARTERS

Zebra Technologies Europe Limited  
Zebra House, Unit 14, The Valley Centre  
Gordon Road, High Wycombe  
Buckinghamshire HP13 6EQ, UK  
T: +44 (0)1494 472872  
F: +44 (0)1494 768251

#### ASIA-PACIFIC HEADQUARTERS

Zebra Technologies Asia Pacific, LLC  
120 Robinson Road  
#06-01 Parakou Building  
Singapore 068913  
T: +65 6858 0722  
F: +65 6885 0838

[www.zebra.com](http://www.zebra.com)



OTHER LOCATIONS » USA California, Georgia, Rhode Island, Texas, Wisconsin EUROPE France, Germany, Italy, Netherlands, Poland, Spain, Sweden  
ASIA-PACIFIC Australia, China, Japan, South Korea LATIN AMERICA Florida (USA), Mexico AFRICA/MIDDLE EAST India, Russia, South Africa, United Arab Emirates

Zebra Technologies Corporation  
An ISO 9001 registered company  
GSA#: GS-35F-0268N  
©2008 ZIH Corp. Printed in U.S.A.  
#14261L (3/08) XM