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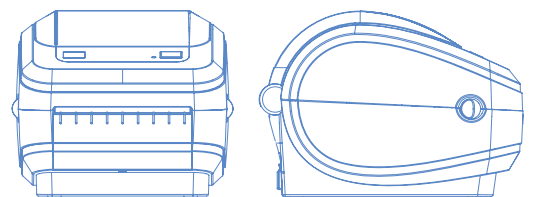
With both EPL™ and ZPL® programming languages native on all models, G-Series printers fit in perfectly with other Zebra printers. And a variety of connectivity options makes them easy to integrate into existing local or networked systems.

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

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 work-spaces 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® wire-less connectivity and 10/100 Ethernet, in addition to standard USB/serial/paral-lel. 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/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
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

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*Specifications subject to change without notice.
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