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
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
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

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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”/6.4 m

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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)

### 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”/6.4 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/8 dots per mm;
- 300 dpi/12 dots per mm (GX430t model)
Memory
- Standard: 4 MB Flash; 8 MB SRAM
- 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
- GX420: 5'/127 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
- Height: 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 (FCC Compliant) 100-240VAC, 50-60Hz

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

Physical Characteristics

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Direct Thermal</th>
<th>Thermal Transfer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>6.75'/171 mm</td>
<td>7.6'/193 mm</td>
</tr>
<tr>
<td>Height</td>
<td>6.0'/152 mm</td>
<td>7.5'/191 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>8.25'/210 mm</td>
<td>10.0'/254 mm</td>
</tr>
<tr>
<td>Weight (lbs/kg)</td>
<td>3 lbs/1.4 kg</td>
<td>4.6 lbs/2.1 kg</td>
</tr>
</tbody>
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Zebralink™ Solutions
Software
- ZebraDesigner™
- ZebraNet™
- ZebraNet Utilities v7.0
- Zebra Universal Driver
- ZebraDesigner Driver

Networking/Connectivity
- ZebraNet® 1/10 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
- EPL™
- 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

Fonts/Graphics/Symbologies
- ZPL II drawing commands—for boxes and lines
- Bar Code Symbols
  - 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), Logmads (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-E 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 88 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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