

Zebra® G-Series™ GK420™, GX420™, GX430™



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



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
- Triple connectivity: USB, parallel, serial

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: 64 MB (68 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"/990 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
- ZBI-Developer™
- POS Driver

Networking/Connectivity

- Ethernet—10/100 internal (optional) offered in combination with USB and serial interface (replaces parallel port)
- Wireless—802.11 b/g or Bluetooth® (optional) with LCD display offered in combination with USB and serial interfaces (replaces parallel port)—GX™ models only

Firmware

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

Communication and Interface Capabilities

- G-Series models triple interface standard
- RS-232 auto-sensing serial interface, DB-9
- USB V1.1, bi-directional
- Centronics® parallel
- Ethernet—10/100 internal (optional) offered in combination with USB and serial interface (replaces parallel port)
- Wireless—802.11 b/g or Bluetooth (optional) with LCD display offered in combination with USB and serial interfaces (replaces parallel port)—GX models only

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
- Bluetooth wireless, includes LCD for visual communication—GX models only
- 802.11b/g wireless radio, includes LCD for visual communication—GX models only
- Adjustable media sensor for black line media—GX models only
- Cutter for various media types—GX models only
- 300 dpi print resolution printing for fine detail and crisp images (GX430t™)
- 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
- Interface cables and adapters

*Specifications subject to change without notice.

©2011 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. Centronics is a registered trademark of Centronics Data Computer Corporation. Unicode is a trademark of Unicode, Inc. All other trademarks are the property of their respective owners.



Corporate Headquarters

+1 800 423 0442

Email: inquiry4@zebra.com

Asia-Pacific Headquarters

+65 6858 0722

Email: apacchannelmarketing@zebra.com

EMEA Headquarters

+44 (0)1628 556000

Email: mseurope@zebra.com

Latin America Headquarters

+1 847 955 2283

Email: inquiry4@zebra.com

Other Locations

USA: California, Georgia, Illinois, Rhode Island, Texas, Wisconsin **Europe:** France, Germany, Italy, the Netherlands, Poland, Spain, Sweden, Turkey, United Kingdom **Asia Pacific:** Australia, China, Hong Kong, India, Japan, Malaysia, South Korea, Singapore, Thailand **Latin America:** Brazil, Florida (LA Headquarters in USA), Mexico **Africa/Middle East:** Dubai, South Africa

www.zebra.com

GSA#: GS-35F-0268N
P1022975 R5 (6/11)