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.

Ideal for These Applications

Retail / Price marking, Gift registry, coupon and receipt printing, Pharmacy prescription labeling

Healthcare / Specimen labeling, Patient tracking

Manufacturing / Light-industrial work-in-process and product labeling

Security / Visitor ID, Evidence tracking, Parking passes

Travel & Hospitality / Boarding passes, Bag tags, Ski lift tickets

SPECIFICATIONS AT A GLANCE*

Printer Name

GK420
GX420
GX430

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/8 dots 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 and 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

Barcode Symbologies

- Barcode Ratios: 2:1 (non-rotated) and 3:1
- Linear Barcodes: 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