

# Zebra® G-Series™ printers

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## Making a difference to your desktop

Zebra's G-Series compact desktop printers deliver best-in-class speed and performance for print widths up to 104mm (4"). From the basic GK™ model to the feature-rich GX™ model, the G-Series printers offer a reliable, durable and flexible desktop solution for any printing application and budget.

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 104mm (4") 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® native on all models and a variety of connectivity options for personal, local and networked systems, the G-Series printers integrate easily and seamlessly with other Zebra printing solutions.



## Zebra's G-Series printers support many applications, including:

### Healthcare:

- Patient identification
- Sample and specimen identification
- Sterile services labelling
- Pharmacy prescription labelling

### Retail:

- Product labelling
- Price mark-down
- Shelf-edge labelling
- Voucher and receipt printing

### Travel:

- Boarding passes
- Bag tags

### Hospitality, service & leisure:

- Event and exhibition ticketing
- Fast-food labelling
- Gaming and betting slips

### Supply chain:

- Process, product and shipping labelling

### Post & parcel:

- Electronic franking
- Address labelling

# Specifications at a glance\*

## Standard features

- Print methods: Direct-thermal or thermal-transfer
- Programming languages: EPL and ZPL as standard
- Construction: Dual-wall frame
- Tool-less replacement of printhead and platen
- OpenACCESS™ for easy media loading
- Quick and easy ribbon loading
- Auto-calibration of media
- 32-bit RISC processor
- Odometer
- Unicode™

## Printer specifications

### Resolution

- 8 dots per mm/203dpi
- 12 dots per mm/300dpi (GX430t™)

### Memory

- Standard: 4MB flash; 8MB SDRAM
- Optional: 64MB (68MB total) flash with real-time clock (GX models)

### Print width

- 104mm/4.09"

### Maximum print length

- 990mm/39.0"

### Maximum print speed

- GK420: 127mm/5" per second
- GX420: 152mm/6" per second
- GX430: 102mm/4" per second

### Media sensors

- Standard: Fixed reflective and transmissive sensors
- Adjustable reflective and multi-position transmissive sensor (GX models, optional)

## Media characteristics

### Maximum label and liner length

- Maximum non-continuous: 990mm/39"

### Maximum label and liner width

- 19mm/0.75" to 108mm/4.25"

### Maximum media roll size

- 127mm/5" O.D.

### Media thickness

- 0.076mm/0.003" to 0.19mm/0.0075"

### Media types

- Roll-fed or fanfold, die-cut or continuous direct-thermal labels with or without black mark, tag stock, continuous receipt paper, wristbands

## Ribbon characteristics

### Outside diameter

- 35mm/1.36"

### Length

- 74m/244' (when using 0.08mm ribbon thickness)

### Ratio

- 1:1 media roll to ribbon

### Width

- 33.8mm/1.33" to 109.2mm/4.3"

### Core inner diameter

- 12.7mm/0.5"

## Operating characteristics

### Environmental

- Operating temperature: 4.4°C to 41°C
- Storage temperature: -40°C to 60°C
- Operating humidity: 5% to 95% non-condensing
- Storage humidity: 5% to 95% non-condensing

### Electrical

- Auto-detectable (PFC-compliant) 100–240VAC, 50–60Hz

### Agency approvals

- Emissions: FCC Part 15, Subpart B, VCCI, C-Tick
- Emissions and Susceptibility: (CE): EN 55022 Class B, EN 61000-3-2, EN 61000-3-0 and EN 55024, CCC
- Safety: CB Scheme IEC 60950:1991 +A1 +A2 +A3 +A4, TÜV NRTL, IRAM NOM, AAMI, CCC

## Physical characteristics

### Width

- Direct-thermal: 171mm/6.75"
- Thermal-transfer: 193mm/7.6"

### Height

- Direct-thermal: 152mm/6.0"
- Thermal-transfer: 190mm/7.5"

### Depth

- Direct-thermal: 210mm/8.25"
- Thermal-transfer: 254mm/10.0"

### Weight

- Direct-thermal: 1.4kg/3lb
- Thermal-transfer: 2.1kg/4.6lb

## ZebraLink™ Solutions

### Software (downloadable from [www.zebra.com](http://www.zebra.com))

- ZebraDesigner Driver
- ZebraDesigner™ Pro
- ZebraDesigner
- ZebraNet™ Bridge Enterprise
- ZebraNet Utilities v7.0
- Zebra Setup Utilities
- POS Driver

### Networking/Connectivity

- ZebraNet® 10/100 Print Server (optional)
- 802.11g wireless LAN (optional)
- Bluetooth® wireless PAN (optional)

### Firmware

- EPL2™
- EPL Line Mode (direct-thermal only – GK420d and GX420d)
- ZPL II®
- XML-enabled printing
- ZBI 2.0™
- Web View
- Alert

## Communication and interface capabilities

- Auto-sensing RS-232 serial interface, DB-9
- USB 1.1, bi-directional
- Parallel (Centronics®), bi-directional
- ZebraNet 10/100 Print Server (optional)
- 802.11g wireless (GX models, optional)
- Bluetooth wireless (GX models, optional)
- Wireless options include LCD for visual communication

## Fonts/Graphics/Symbologies

### Fonts and character sets

- 16 resident expandable ZPL II bitmap fonts
- One resident scalable ZPL font
- Five resident expandable EPL2 fonts
- Native OpenType™ font support
- Unicode-compliant for multi-language applications

### Graphics 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 *For EPL and ZPL except where noted*
- Linear Barcodes: Codabar, Code 11 (ZPL), Code 39, Code 93, Code 128, EAN-8, EAN-13, EAN-14 (ZPL), German Post Code (EPL), GS1 DataBar (RSS), Industrial 2-of-5 (ZPL), Interleaved 2-of-5, ISBT-128 (ZPL), Japanese Postnet (EPL), Logmars (ZPL), MSI, Plessey, Postnet, Standard 2-of-5 (ZPL), UCC/EAN-128 (EPL), UPC-A, UPC-A and UPC-E with EAN 2 or 5 digit extensions, UPC-E, UPC and EAN 2 or 5 digit extensions (ZPL)
- Two-dimensional: Codablock (ZPL), Code 49 (ZPL), Data Matrix, (ZPL), MaxiCode, MicroPDF417, PDF417, QR Code

## Options and accessories

- Label dispenser with label-present sensor
- ZebraNet 10/100 Print Server – internal and external Ethernet options for network communication and printing
- 802.11g wireless (GX models)
- Bluetooth wireless (GX models)
- Wireless options include LCD for visual communication
- Adjustable media sensor (GX models)
- Cutter for various media types (GX models)
- 300dpi print resolution printing for fine detail and crisp images (GX430t)
- 64MB flash memory with real-time clock for total of 68MB (GX models)
- Font packs – Asian and other international font kits
- KDU Plus™ and KDU™ keyboard display units for standalone printing solutions
- Interface cables and adaptors
- Heavy-duty keyed locking mechanism secures the media chamber and reinforced media viewing window (GX420s™ model only)



\*Specifications subject to change without notice.

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