



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, Zebra's G-Series GK model provides the best value of all basic desktop thermal printers, while the premium 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.

Ideal for These Applications

Healthcare / Patient identification, Sample & 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*

Printer Name

GK420, GX420 & GX430

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)

Maximum print length

39.0"/990mm

Maximum print speed

- GK420: 5"/127mm per second
- GX420: 6"/152mm per second
- GX430: 4"/102mm 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: 39"/990mm

Maximum label and liner width

0.75"/19mm to 4.25"/108mm

Maximum media roll size

5"/127mm O.D.

Media thickness

0.003"/0.076mm to 0.0075"/0.19mm

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

1.36"/35mm

Length

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

Ratio

1:1 media roll to ribbon

Width

1.33"/33.8mm to 4.3"/109.2mm

Core inner diameter

0.5"/12.7mm

Operating Characteristics

Environmental

- Operating temperature: 4°C to 41°C
- Storage temperature: -40°C to 60°C
- Operating humidity: 10% to 90% 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

	Direct-thermal	Thermal-transfer
Width:	6.75"/171mm	7.6"/193mm
Height:	6.0"/152mm	7.5"/190mm
Depth:	8.25"/210mm	10.0"/254mm
Weight:	3 lb/ 1.4kg	4.6 lb/ 2.1kg

ZebraLink™ Solutions

Software (downloadable from www.zebra.com)

ZebraDesigner Driver, ZebraDesigner™ Pro, ZebraDesigner, ZebraNet™ Bridge Enterprise, ZebraNet Utilities v7.0, Zebra Setup Utilities, POS DriverNetworking/Co

Networking/Connectivity

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

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)
- 02.11g wireless (GX models, optional)
- Bluetooth wireless (GX models, optional)
- Wireless options include LCD for visual communication

Fonts/ Graphics/ Symbolologies

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 symbolologies

- OBarcode 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
- 802.11b/g 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



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