


Zebra® GC420™ desktop printer



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Affordability meets high quality
Built with Zebra durability and reliability, the GC420 printer offers the same mechanical design as the legacy LP 2844™ and TLP 2844™ models. This familiarity allows customers to easily migrate to the new printer, but the enhanced feature set means the industry and application support is greater.

Compact design with powerful features
The GC420 printer's compact, space-saving design contains a powerful 32-bit processor for

fast label throughput with a large memory for more graphics storage, longer label formats, and faster processing on media up to 104mm wide.

Media handling is extended further with an optional peel dispenser, plus the printer's native EPL™ and ZPL® programming languages provide easy integration with other Zebra printers. With its three standard interfaces and optional 10/100 Ethernet, the GC420 printer offers flexibility in connecting with your local or networked system.

Ideal for:

- 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 and leisure
 - Event and exhibition ticketing
 - Fast-food labelling
 - Gaming and betting slips
- Supply chain
 - Process, product and shipping labelling
- Post and parcel
 - Electronic franking
 - Address labelling

SPECIFICATIONS AT A GLANCE*

ZEBRA GC420 DESKTOP PRINTER

Standard features

- 32-bit RISC processor
- Co-resident EPL and ZPL programming languages
- Triple connectivity: serial, USB and parallel
- Print methods:
 - GC420d™ printer – direct-thermal only
 - GC420t™ printer – thermal-transfer and direct-thermal
- Construction: dual-wall frame, reinforced plastic
- OpenACCESS™ for easy media and ribbon loading
- Certified Microsoft® Windows® drivers

Printer specifications

Resolution

- 203dpi/8 dots per mm

Memory

- 8MB flash, 8MB SDRAM

Print width

- 104mm/4.09"

Maximum print length

- 990mm/39"

Maximum print speed

- 102mm/4" per second

Media sensors

- Fixed position reflective and transmissive sensors

Media characteristics

Media width

- 25.4mm/1.00" to 108mm/4.24"

Media length

- 9.6mm/0.38" to 990mm/39"

Maximum media roll size

- 127mm/5" O.D. on a 25.4mm/1.00" or 38mm/1.5" I.D. core

Media thickness

- 0.08mm/0.003" to 0.18mm/0.007"

Media types

- Roll-fed or fan-fed, die-cut or continuous direct-thermal labels with or without black mark, tag stock, continuous receipt paper, wristbands and optional liner-free direct-thermal media

Ribbon characteristics

Outside diameter

- 34mm/1.34"

Standard length

- 74m/244'

Ratio

- 1:1 media-roll to ribbon

Width

- 33.8mm/1.33" to 110mm/4.3"

Core I.D.

- 12.7mm/0.5"

Operating characteristics

Environmental

- Operating temp.: 5°C/40°F to 41°C/105°F
- Storage temp.: -40°C/-40°F to 60°C/140°F
- Operating humidity: 10% to 90% non-condensing R.H.
- Storage humidity: 5% to 95% non-condensing R.H.

Agency approvals

- TÜV-R NRTL, T ÜV-R CB, NOM, KCC, CE, FCC Class-B

Physical characteristics

GC420d printer

- Width : 201mm/7.9"
- Height: 170mm/6.7"
- Depth: 208mm/8.2"
- Weight: 1.4kg/3lb

GC420t printer

- Width: 201mm/7.9"
- Height: 173mm/6.8"
- Depth: 239mm/9.4"
- Weight: 1.5kg/3.2lb

ZebraLink™ Solutions

Software

- Zebra Setup Utilities – Windows utility drivers to set up and configure your Zebra printer
- ZebraDesigner™ Pro – an intuitive, easy-to-use software program for creating complex label designs (option)
- ZebraDesigner – offers basic features for simple label design
- ZebraNet™ Bridge Enterprise – centrally manage Zebra printers from a single PC screen anywhere on your global network
- ZebraNet Utilities v7.0 – provides enhanced printing, conversion and administration capabilities, message management and more
- ZebraDesigner™ Driver – the most powerful driver available from Zebra
- Web View – connect and control Zebra barcode printers via the printer's Web interface using a common Web browser using ZPL II®
- Alert – printers equipped with ZebraNet® Print Servers will notify you via any email-enabled, wired or wireless device to minimise downtime

Firmware

- ZBI 2.0™ – powerful programming language that lets printers run standalone applications, connect to peripherals, and much more (option)
- ZBI-Developer™ – programming utility makes it dramatically easier for programmers to create and test complex ZBI 2.0 programs and distribute them to the printer (standard with ZBI 2.0)
- ZPL II – Zebra Programming Language provides sophisticated label formatting and printer control and is compatible with tabletop and mobile Zebra printers

- EPL2™ – Eltron Programming Language simplifies label formatting and enables format compatibility with legacy applications
- EPL – Line Mode support (GC420d printer) enables format compatibility with legacy applications

Fonts/Graphics/Symbologies

- 16 resident expandable ZPL fonts
- One resident scalable ZPL font
- Five resident expandable EPL2 fonts
- Supports user-defined fonts and graphics – including custom logos

Barcode symbologies

- Barcode ratios: 2:1 (non-rotated) and 3:1
- 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 (formerly RSS), GS1 DataBar (RSS-14), 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: Aztec Code, Codablock (ZPL), Code 49 (ZPL), Data Matrix, MaxiCode, MicroPDF417, PDF417, QR Code (For both EPL and ZPL except where noted)

Communication and interface capabilities

- Centronics® parallel (36-pin) connector ports
- RS-232 serial interface
- USB V1.1 interface, bi-directional

Options and accessories

- Label dispenser with label-present sensor
- ZebraNet 10/100 Print Server – external Ethernet option for network communication and printing
- Font packs – Asian and other international font kits

KDU Plus™ and KDU keyboard display units for standalone printing solutions

*Specifications subject to change without notice.

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For further information on supplies, printers, maintenance and software please contact:

Systems Print Media Ltd

Unit 2, Willan Enterprise Centre, Fourth Avenue, Trafford Park, Manchester M17 1DB

T: 0161 872 5355 F: 0161 872 5377 E: info@systemsprintmedia.co.uk W: www.systemsprintmedia.co.uk

