

Zebra® GC420™ Desktop Printer



Affordability Meets High-Quality

Zebra's feature-rich, competitively priced GC420™ desktop printer brings Zebra quality, durability and reliable performance to many low- to medium-volume, direct thermal and thermal transfer printing applications.

Compact Design Filled with Powerful Features

The GC420 printer's compact, space-saving design contains a powerful 32-bit processor for fast label throughput, and a large memory for more graphics storage, longer (990 mm) label formats, and faster processing. The GC420™ supports a 108 mm media width for standard desktop applications. It also includes both EPL2™ and powerful ZPL II® programming languages—making it easy to integrate with other Zebra printers. Peeler/dispenser option extends the GC420™ printer's versatility to meet an even greater variety of applications.

Zebra's GC420™ supports many applications, including:

- **Government**—Asset management, documents management, evidence tracking
- **Healthcare**—Laboratory specimen and blood bank labeling
- **Retail**—Price labeling and receipt printing
- **Manufacturing**—Light-industrial work-in-process, product and shipping labeling
- **Transportation & logistics**—Boarding tickets, bag tags, parking passes

Specifications at a Glance*

Printer Name

GC420™

Standard Features

- 32 bit RISC processor
- Programming languages: EZPL (ZPL, ZPL II and EPL2)
- Triple connectivity: USB, parallel and serial
- Print methods: Direct thermal and thermal transfer, printing of barcodes, text and graphics.
- OpenACCESS™ for easy media and ribbon loading
- Microsoft® Windows® drivers

Printer Specifications

Resolution

203 dpi/8 dots per mm

Memory

8 MB Flash, 8 MB SDRAM (standard)

Print Width

4.09"/104 mm

Print Length

39"/990 mm

Print Speed

4"/102 mm per second maximum

Media Sensors

Reflective and transmissive sensors

Media Characteristics

Media width

1.00"/25.4 mm to 4.25"/108 mm

Media length

0.38"/9.6 mm to 39"/990 mm

Maximum media roll size

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

Media thickness

0.003"/0.08 mm to 0.007"/0.18 mm

Media types

- Roll-fed or fan fold
- Label stock (die cut or continuous, direct thermal or thermal transfer)
- Tag stock (die cut or continuous, direct thermal or thermal transfer)
- Receipt paper (continuous, direct thermal)
- Wristband stock (direct thermal or thermal transfer)

Ribbon Characteristics

Outside diameter

1.34"/34 mm

Standard length

244' (74 m)

Ribbon capacity

1:1 One ribbon per roll of media

Width

1.33"/33.8 mm to 4.3"/110 mm

Core I.D.

0.5"/12.7 mm

Operating Characteristics

Environmental

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

Agency Approvals

TUV-R NRTL, TUV-R CB, NOM, KCC, CE, FCC Class-B

Physical Characteristics

| | GC420d | GC420t |
|-----------|--------------|----------------|
| • Width: | 7.9"/201 mm | 7.9"/201 mm |
| • Height: | 6.7"/170 mm | 6.8"/173 mm |
| • Depth: | 8.2"/208 mm | 9.4"/239 mm |
| • Weight: | 3 lbs/1.4 kg | 3.2 lbs/1.5 kg |

ZebraLink™ Solutions

Software

- ZebraDesigner™ Pro—An intuitive, easy-to-use software program for creating complex label designs (option)
- ZebraDesigner—Offers basic features for simple label design
- ZebraDesigner Driver—The most powerful driver available from Zebra

Firmware

- ZPL II®—Zebra Programming Language provides sophisticated label formatting and printer control.
- EPL2™—Eltron Programming Language with Line Mode simplifies label formatting and enables format compatibility with legacy applications.

Communication and Interface Capabilities

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

Fonts/Graphics/Symbologies

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

Bar Code Symbologies

- Bar Code Ratios: 2:1 (non-rotated) and 3:1
- Linear Bar Codes: Code 11, Code 39, Code 93, Code 128A, B & C (User selectable/Auto), UCC/EAN-128, Code 128, UPC-A, UPC-E, EAN-8, EAN-13, EAN-14, UPC-A and UPC-E with EAN 2 or 5 digit extensions, UPC-E with 2 and 5 add on, Plessey, POSTNET, Standard 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, LOGMARS, MSI, Codabar, and GS1 DataBar™ (formerly RSS), Postnet (5, 9, 11 & 13 digit) Japanese Postnet, Plessey (MSI-1), MSI-3, German Post Code, RSS-14 (limited, truncated, stacked).
- 2-Dimensional: PDF417 (MicroPDF-417 and MacroPDF-417), Code 49, Maxicode, Codablock, Data Matrix, QR code, and Aztec.

Options and Accessories

- Dispenser—Label peel and present with label present sensor
- KDU and KDU Plus™—Keyboard display units for stand-alone printing applications

Electrical Specifications

- Auto-ranging external power supply with C7 type connector
- Output: 20 VDC, 2.5A
- Input: 100-240 VAC, 50-60 Hz

*Specifications subject to change without notice.

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