Zebra® GC420™ Desktop Printer

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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. With the same mechanical design as the legacy TLP/LP 2844 series, it allows customers to easily migrate to the new GC420.

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 (991 mm) label formats, and faster processing. The GC420 supports a 104 mm media width for standard desktop applications. It also includes both EPL™ and powerful ZPL® programming languages — making it easy to integrate with other Zebra printers — while its three interfaces and 10/100 Ethernet option offers flexibility in connecting with your local or networked system. Peeler/dispenser and cutter options extend 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
- Co-resident EPL and ZPL programming languages
- Triple connectivity: Serial, USB and parallel
- Print methods: Thermal transfer and direct thermal modes
  - ›› GC420d — direct thermal only
  - ›› GC420t — 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
203 dpi/ 8 dots per mm

Memory
8 MB Flash, 8 MB SDRAM (standard)

Print Width
4.09"/104 mm

Maximum Print Length
39"/990 mm

Maximum Print Speed
4"/102 mm per second

Media Sensors
Standard: Fixed reflective and transmissive sensors

Media Characteristics

Media width
1.00"/25.4 mm to 4.24"/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-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
1.34"/34 mm

Standard length
244' (74 m)

Ratio
1:1 media to roll to ribbon

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

- 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
- Zebra Universal Driver — The most powerful driver available from Zebra
- Web View — Connect and control Zebra bar code 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 e-mail-enabled, wired, or wireless device to minimize downtime

Firmware

- ZBI 2.0™ — Powerful programming language that lets printers run stand-alone 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 (GK888d) enables format compatibility with legacy applications

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: 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)

Communication and Interface Capabilities

- Centronics® parallel (36 pin) connector ports
- RS-232 Serial interface
- USB V1.1 interface, bi-directional
- 10/100 internal Ethernet with USB V1.1 (option)

Options and Accessories

- Dispenser — Label peel and present with label present sensor
- Cutter for various media types
- 10/100 internal Ethernet with USB V1.1
- KDU and KDU Plus™ — Keyboard display units for stand-alone printing applications

*Specifications subject to change without notice.

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