Value Desktop Printers

OUTSTANDING QUALITY AT A PRICE YOU CAN AFFORD

GC420™ direct thermal or thermal transfer printers combine the quality you expect in a Zebra® desktop printer with the essential features you need to get the job done—all at a competitive price. Durable and reliable, GC420 printers deliver competitive print speeds, quick label throughput and increased storage of fonts and graphics. These printers are efficient to operate, and easy to install and maintain.

**Zebra OneCare Services**
Increase printer uptime, and reduce lost productivity and unbudgeted repair costs, by selecting a Zebra OneCare™ service agreement. A cost-effective means of planning and budgeting for your annual maintenance expenditures, your agreement ensures that trained Zebra technicians will bring your printer back to factory specifications. Zebra offers a variety of plans to fit your budget and business needs.

**Global Support**
Backed by Zebra’s global presence and industry reputation, you always receive top service, integration and lifecycle support. Wherever your operations are located, Zebra and our partners are there to provide local assistance.

**Genuine Zebra Supplies**
Ensure consistent print quality, reduce downtime and increase productivity in your printing process with Genuine Zebra™ supplies. We manufacture each supplies product with the exact same materials every time so you always get crisp, readable and scannable output without needing to adjust the printer darkness setting between rolls.

**ZebraLink Software Suite**
The ZebraLink suite of software and tools makes it simple to design, manage and adapt a barcode printing application tailored to meet your unique business needs.

**Basic Features Plus Great Value**

**Quality Construction**
Built with the same quality as Zebra’s advanced and performance desktop printers, Zebra’s GC420 features a durable, dual-wall construction and high-impact case. This design enables the printer to endure wear and tear, reduces printer downtime and expands areas of use.

**Excellent Value**
As Zebra’s most affordable 4-inch desktop printer, the GC420 is competitively priced to meet the needs of low- to medium-volume printing applications. ENERGY STAR® qualified, it saves you money throughout its lifecycle.

**Space-saving Design**
Featuring a clamshell design and small footprint, GC420 printers fit in nearly any space-constrained environment.

**Fast Label Production**
The GC420 features a powerful 32-bit processor for fast label throughput, and 8MB Flash memory for increased storage of fonts and graphics. It also has a print speed of 4 inches per second.

**Flexible Media Support and Handling**
Able to accommodate a wide range of media, the GC420 doesn’t require media spindles. It can easily accept all standard core sizes—including 1” (25.4 mm) or 1.5” (38 mm). Designed with a 1:1 media roll to ribbon ratio, supply changes happen in tandem to maximize printer uptime. The GC420 can support externally fed or roll-based media for applications requiring high-volume or specialty media. And, it’s available with a peeler / dispenser option.

**Easy and Intuitive to Use**
Simple to operate, the GC420 includes both EPL2™ and powerful ZPL II® programming languages making it easy to integrate with other Zebra printers. It is available with triple connectivity—USB, Parallel and Serial—to support a variety of applications. Change media quickly and easily thanks to the space-saving clamshell design and the fact that media doesn’t need to be threaded.

For more information about the GC420 Desktop Printers, visit [www.zebra.com/gc420](http://www.zebra.com/gc420) or access our global contact directory at [www.zebra.com/contact](http://www.zebra.com/contact)
## Specifications

### STANDARD FEATURES
- 32 bit RISC processor
- Programming languages: EZPL (ZPL®, ZPL II, and EPL2)
- Triple connectivity: USB V1, Centronics® Parallel and RS-232 Serial
- Printing of barcodes, text and graphics.
- OpenACCESS™ for easy media and ribbon loading
- Microsoft® Windows® drivers
- ENERGY STAR qualified

### PRINTER SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution</td>
<td>203 dpi/8 dots per mm</td>
</tr>
<tr>
<td>Memory</td>
<td>8 MB Flash, 8 MB SDRAM (standard)</td>
</tr>
<tr>
<td>Maximum Print Width</td>
<td>4.09/104 mm</td>
</tr>
<tr>
<td>Maximum Print Speed</td>
<td>4102 mm per second maximum</td>
</tr>
<tr>
<td>Media Sensors</td>
<td>Fixed reflective and transmissive sensors</td>
</tr>
<tr>
<td>Maximum Print Length</td>
<td>39/991 mm</td>
</tr>
<tr>
<td>Roll-fed or fan fold</td>
<td>3 lbs./1.4 kg</td>
</tr>
<tr>
<td>Specifications</td>
<td>8.2/208 mm</td>
</tr>
<tr>
<td>Length</td>
<td>9.4/239 mm</td>
</tr>
<tr>
<td>Height</td>
<td>6.7/170 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>3 lbs./1.4 kg</td>
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</table>

### MEDIA CHARACTERISTICS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Media Width</td>
<td>1.00/25.4 mm to 4.25/108 mm</td>
</tr>
<tr>
<td>Maximum Media Roll Size</td>
<td>5/127 mm O.D. on a 1.00/25.4 mm, 1.5/38 mm I.D. core</td>
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<tr>
<td>Thickness</td>
<td>0.03/0.075 mm to 0.075/0.18 mm</td>
</tr>
<tr>
<td>Media Types</td>
<td>Roll-fed or fan fold, Label stock, Tag stock</td>
</tr>
<tr>
<td></td>
<td>Receipt paper, Wristband stock (direct thermal or thermal transfer)</td>
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### RIBBON CHARACTERISTICS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Standard Length</td>
<td>244/74 M</td>
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<tr>
<td>Width</td>
<td>1.33/33.8 mm to 4.3/110 mm</td>
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<tr>
<td>Core I.D.</td>
<td>0.5/12.7 mm</td>
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### OPERATING CHARACTERISTICS

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<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Environment</td>
<td>Operating Temperature: 40°F to 105°F/95°C to 41°C</td>
</tr>
<tr>
<td>Operating Humidity: 90% non-condensing</td>
<td></td>
</tr>
<tr>
<td>Storage/Transportation Temperature: -40°F to 140°F/ -40°C to 60°C</td>
<td></td>
</tr>
<tr>
<td>Storage Humidity: 5% to 95% non-condensing</td>
<td></td>
</tr>
<tr>
<td>Electrical</td>
<td>Auto-ranging external power supply with C6 type connector</td>
</tr>
<tr>
<td>Output</td>
<td>20 VDC, 3.0A</td>
</tr>
<tr>
<td>Input</td>
<td>100-240 VAC, 50-60 Hz</td>
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<tr>
<td>ENERGY STAR qualified printer</td>
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</table>

### Agency Approvals

- Safety: CB Scheme IEC 60950-1, TUV NRTL, C-Tick, CCC, NOM, EAC, KCC, BSMI, ENS5002, EN60000-3-3, CB Scheme, IEC 60950-1, TUV NRTL, C-Tick, CCC, NOM, EAC, KCC, BSI, BSMI, BIS, INMETRO

### PHYSICAL CHARACTERISTICS

<table>
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<tr>
<th>Description</th>
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<tbody>
<tr>
<td>GC420d</td>
<td>8.2/208 mm</td>
</tr>
<tr>
<td>Width</td>
<td>3.4/239 mm</td>
</tr>
<tr>
<td>Height</td>
<td>7.9/201 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>3 lbs./1.4 kg</td>
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### COMMUNICATION AND INTERFACE CAPABILITIES

- Centronics Parallel
- RS-232 Serial interface, DB9
- USB V1 interface, bi-directional

### SOFTWARE TOOLS

**ZebraLink Solutions**
- Zebra Setup Utilities — A Windows application to quickly set up and configure your Zebra printer.
- ZebraDesigner® — Simple Windows WYSIWYG label design application with basic features.
- ZebraDesigner Pro — Simple Windows WYSIWYG label design application offering more advanced features for more complex label designs (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).  
- ZebraNet® Bridge Enterprise — Centrally manage Zebra printers from a single PC screen anywhere on your global network (optional).
- ZebraNet Utilities v7.0 — Provides enhanced printing, conversion and administration capabilities, message management, and more.
- Zebra Enterprise Connector — Print labels directly from Oracle’s BI Publisher with the Enterprise Connector and Zebra printers.
- ZebraDesigner Windows Driver — Zebra’s powerful Microsoft certified Windows driver.
- POS Driver

### Firmware

- ZBI 2.0 — Optional powerful programming language that lets printers run stand-alone applications, connect to peripherals, and much more.
- ZPL and ZPL II — Zebra Programming Language provides sophisticated label formatting and printer control and is compatible with all Zebra printers.
- EPL and EPL2 — Eltron® Programming Language with Line Mode simplifies label formatting and enables format compatibility with legacy applications (EPL with Line Mode available on direct thermal models only).
- BARCODE SYMBOLOGIES
  - Barcode Ratios: 2:1 (non-rotated) and 3:1
  - 2D Barcodes: PDF417 (MicroPDF-417 and MacroPDF-417), Code 49, Maxicode, Codablock, Data Matrix, QR code, and Aztec.

### Fonts and Graphics

- 16 resident expandable ZPL fonts
- One resident scalable ZPL font
- 5 resident expandable EPL2 fonts
- Supports user-defined fonts and graphics — including custom logos
- 6 MB user available non-volatile memory storage for downloadable objects
- 2 MB user available SDRAM

### Options and Accessories

- Dispenser — Label peel and present with label present sensor
- ZKDU™ keyboard display units for stand-alone printing applications
- ZebraNet 10/100 Print Server — External Ethernet for network communication and printing

For optimum print quality and printer performance, use Genuine Zebra supplies. Specifications subject to change without notice.

### Ideal for These Applications

**Transportation and Logistics**
- Boarding tickets
- Bag tags
- Parking passes

**Retail**
- Price labeling
- Receipt printing

**Manufacturing**
- Light-industrial work-in-process
- Product and shipping labeling

**Healthcare**
- Medical records labeling

**Government**
- Asset management
- Documents management
- Evidence tracking

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12/2016