Advanced, Affordable and Flexible

Zebra’s advanced line of desktop printers features professional-quality, reliable printing at a competitive price. Dependable performance and advanced features — along with fast print speeds, network manageability and easy-load designs — enable users to improve operational efficiencies, boost profitability and reduce downtime.

The advanced line is flexible, making it a good choice for a variety of mid-volume and distributed-printing applications. Reliably producing quality text, barcodes or graphics, the advanced line offers three connectivity interfaces and easy upgrades with ZPL™ and EPL™ programming languages.

The GK420t and GT800 offer direct thermal and thermal transfer printing power in sleek and compact designs. The GT800 features a 300-meter ribbon for fewer ribbon changes along with a moveable sensor. Additional GT800 options include 300 dpi and a full-width cutter or peel dispenser. The GK420d offers only direct thermal printing.

Suitable for space-constrained environments, these printers have a small footprint and clamshell design. Simplify setup and operation with an easy ribbon-loading system and auto calibration. Affordable quality and reliable performance make these printers an excellent choice for companies worldwide.

Suitable for These Applications

- **Healthcare**
  - Patient identification
  - Pharmacy and product labeling
- **Retail**
  - Price marking
  - Coupon and receipt printing
  - Inventory and product labeling
- **Transportation & Logistics**
  - Shipping labels
- **Hospitality & Leisure**
  - Boarding passes
  - Bag tags
- **Security**
  - Visitor ID
  - Evidence tracking
  - Parking passes
**SPECIFICATIONS AT A GLANCE**

**Printer Name**
GK420t
GK420d
GT800 (not available in North America)

**Standard Features**
- Print methods: Thermal transfer or direct thermal
- Programming language: EPL™ and ZPL™ are standard construction: Dual-wall frame
- Tool-less printhead and platen replacement
- OpenACCESS™ for easy media loading
- Quick and easy ribbon loading
- Auto-calibration of media
- Triple connectivity: USB, Parallel, Serial
- 300 meter ribbon capacity (GT800 Model only)
- Certified Microsoft™

**Printer Specifications**

<table>
<thead>
<tr>
<th>Resolution</th>
<th>203dpi/8dots per mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optional</td>
<td>300dpi/12dots per mm (GT800 Model only)</td>
</tr>
</tbody>
</table>

**Memory**
- GT800 Model: 8MB Flash, 8MB SDRAM
- G-Series GK Models: 4MB Flash, 8MB SDRAM (standard)

**Print Width**
- 4.09”/104mm

**Print Length Up to**
- 39”/991mm

**Print Speed Up to**
- 5.1727mm per second (203dpi)
- 4”/102mm per second (300dpi, GT800 Model only)

**Media Sensors**
- GT800 Model: Multi-position transmissive and full-width reflective sensor
- G-Series GK Models: Fixed reflective and transmissive sensors

**Media Characteristics**
- Media Roll Size up to: 5.1”/137mm O.D. on a 1”/25.4mm, 1.5”/38mm I.D. core
- Media Thickness: 0.003”–0.007”/ 0.08–0.18mm

**GT800 Model**
- Media Width: 0.75”–4.49”/19–114mm
- Media Length: 0.25”–39”/6.5–991mm
- Media Types: Roll-fed or fan-fed, die-cut or continuous direct thermal labels with or without black line, tag stock, continuous receipt paper, wristbands, and liner-free direct thermal media

**G-Series GK Models**
- Label and Liner Length: non-continuous: 39”/991mm
- non-continuous: 30”/762mm
- Label and Liner Width Up to: 0.76”–4.25”/19–108mm
- Media Types: Roll-fed or fan-fed, die-cut or continuous direct thermal labels with or without black line, tag stock, continuous receipt paper, wristbands

**Ribbon Characteristics**

<table>
<thead>
<tr>
<th>GT800 Model</th>
<th>• Outside Diameter: 2.6”/66mm (300mm); 1.34”/34mm (74mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Standard Length: 984”/2500mm; 244”/610mm</td>
</tr>
<tr>
<td></td>
<td>Ratio: – 1:4 media to roll to ribbon (300mm)</td>
</tr>
<tr>
<td></td>
<td>– 1:1 media to roll to ribbon (74mm)</td>
</tr>
<tr>
<td></td>
<td>Width: 1.33”–4.3”/33.8–110mm</td>
</tr>
<tr>
<td></td>
<td>Core I.D.: – 300m ribbon 1”/25.4mm</td>
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<tr>
<td></td>
<td>– 74mm ribbon 0.5”/12.7mm</td>
</tr>
</tbody>
</table>

**G-Series GK Models**
- Outside diameter: 1.36”/35mm
- Standard Length: 244”/610mm
- Ratio: 1:1 media to roll to ribbon
- Width: 1.33”–4.3”/33.8–109mm
- Core inner diameter: 0.5”/12.7mm

**Operating Characteristics**

**Environmental**
- Operating Temperature: 40~105°F/4.4~41°C
- Storage Temperature: 40~140°F/ -40~60°C
- Operating Humidity: 10% – 90% non-condensing
- Storage Humidity: 5% – 95% non-condensing

**Electrical**
- Auto-detectable (PFC Compliant) 100-240VAV, 50-60Hz
- ENERGY STAR qualified printers

**Agency Approvals**

<table>
<thead>
<tr>
<th>GT800 Model</th>
<th>• TUV-R NRTL, TUV-R CB, NOM, KCC, CE, FCC Class-B</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>G-Series GK Models:</td>
</tr>
<tr>
<td></td>
<td>• Emissions: FCC Part 15, Subpart B (Class B), ICES 003, VCCI, C-Tick, CC, EAC, KCC, BSMI, ICES-003</td>
</tr>
<tr>
<td></td>
<td>• Emissions and Susceptibility: EN55022 (Class B), EN55024, EN61000-3-3, EN61000-3-2</td>
</tr>
<tr>
<td></td>
<td>• Safety: CB Scheme IEC 60950-1, TUV NRTL, C-Tick, CCC, NOM, EAC, KCC, BSMI, BIS</td>
</tr>
</tbody>
</table>

**Physical Characteristics**

<table>
<thead>
<tr>
<th>GT800 Model</th>
<th>Width: 7.75”/197mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height: 7.25”/184mm</td>
<td></td>
</tr>
<tr>
<td>Depth: 10.75”/273mm</td>
<td></td>
</tr>
<tr>
<td>Weight: 5.8 lbs/2.63kg</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>G-Series GK Models</th>
<th>(Direct Thermal)</th>
<th>(Thermal Transfer)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width: 6.75”/171mm</td>
<td>7.6”/193mm</td>
<td></td>
</tr>
<tr>
<td>Height: 6”/152mm</td>
<td>7.5”/191mm</td>
<td></td>
</tr>
<tr>
<td>Depth: 8.25”/210mm</td>
<td>10”/254mm</td>
<td></td>
</tr>
<tr>
<td>Weight: 3 lbs/1.4kg</td>
<td>4.6 lbs/2.1kg</td>
<td></td>
</tr>
</tbody>
</table>

**Fonts/ Graphics/ Symbologies**

<table>
<thead>
<tr>
<th>GT800 Model</th>
<th>16 resident expandable ZPL fonts</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>One resident scalable ZPL font</td>
</tr>
<tr>
<td></td>
<td>5 resident expandable EPL fonts</td>
</tr>
<tr>
<td></td>
<td>Supports user-defined fonts and graphics — including custom logos (GT800 Model)</td>
</tr>
<tr>
<td></td>
<td>Native open type font support (G-Series GK Models)</td>
</tr>
<tr>
<td></td>
<td>Unicode™ compliant for multi-language, on-demand thermal printing (G-Series GK Models)</td>
</tr>
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</table>

**Options and Accessories**
- Dispenser: Label peel and present with label present sensor
- Full-width cutter (GT800 Model)
- ZebraNet 10/100 Print Server: Internal Ethernet for network communication and printing
- ZKDU™ and KDU Plus™ keyboard display units for stand-alone printing solutions
- Font Packs: Asian and international font kits (G-Series GK Models)
- 300dpi/12dots per mm (GT800 Model)

**Barcode Symbologies**
- Bar Code Ranges: 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), Logmar (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 (36pin) connector ports
- RS-232 Serial interface
- USB V1.1 interface, bi-directional
- Optional Ethernet: 10/100 internal (replaces Serial and Parallel ports in G-Series GK Models; replaces Parallel port in GT800 Model)

**ZebraLink™ Solutions**

**Software**
- ZebraDesigner™ Pro
- ZebraDesigner
- ZebraNet Bridge Enterprise
- ZebraNet Utilities v7.0
- ZBI-Developer™

**GT800 Model**
- Zebra Setup Utilities
- ZebraDesigner Windows Driver
- POS Driver

**Networking Options**
- Ethernet: 10/100 internal (optional)

**Firmware**
- ZPL II™
- EPL II™
- Web View
- Alert

**GT800 Model**
- ZBI 2.0™ (optional)
- G-Series GK Models:
  - EPL Line Mode (direct thermal only)
  - ZBI™

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