Zebra® Advanced Desktop Printers

GK420t™ (direct thermal/thermal transfer)
GK420d™ (direct thermal)

Advanced, Affordable and Flexible

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

The GK printer models are flexible, making them a top choice for a variety of mid-volume and distributed-printing applications. Reliably producing quality text, barcodes or graphics, this advanced line offers three connectivity interfaces and easy upgrades with ZPL® and EPL™ programming languages.

The GK420t’s sleek and compact design offers both direct thermal and thermal transfer printing power, while the GK420d offers only direct thermal printing but with wider format functionality.

For healthcare-specific environments, Zebra offers the GK420 Healthcare printer—available in both thermal transfer and direct thermal models. These printers feature disinfectant-ready plastics to protect patient safety along with a medical-grade power supply that meets IEC 60601-1 standards to reduce the risk of electrical shock.

A small footprint and affordable quality make these advanced printers an excellent choice for companies worldwide.

Ideal 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

**Travel & Hospitality**: boarding passes, bag tags

**Security**: visitor ID, evidence tracking, parking passes

**Manufacturing**: light-industrial work-in-process and product labeling
### SPECIFICATIONS AT A GLANCE

**Printer Name**
- GK420t
- GK420d

**Standard Features**
- Print methods: Thermal transfer or direct thermal
- Programming language: EPL II and ZPL are standard construction: Dual-walled 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
- Certified Microsoft® Windows® drivers
- ENERGY STAR® qualified

**Printer Specifications**
- **Resolution**: 203 dpi/8 dots per mm
- **Memory**: Standard: 4 MB Flash; 8 MB SDRAM
- **Print Width**: 4.09"/104 mm
- **Maximum Print Length**: 39"/991 mm
- **Maximum Print Speed**: 5"/127 mm per second
- **Media Sensors**: Standard: Fixed reflective and transmissive sensors
- **Media Characteristics**
  - **Maximum Label and Liner Length**: Maximum non-continuous: 39"/991 mm
  - **Maximum Label and Liner Width**: 0.75"/19 mm - 4.25"/108 mm
  - **Maximum Media Roll Size**: 5"/127 mm O.D.
  - **Media Thickness**: 0.003"/0.08 mm to 0.0075"/0.19 mm
- **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**
  - **Outside diameter**: 1.36"/35 mm
  - **Standard length**: 244"/74 m
  - **Ratio**: 1:1 media to roll to ribbon
  - **Width**: 1.33"/33.8 mm to 4.37"/109.2 mm
  - **Core inner diameter**: 0.5"/12.7 mm

**Operating Characteristics**
- **Environmental**
  - Operating temperature: 40°F/4.4°C to 105°F/41°C
  - Storage temperature: -40°F/-40°C to 140°F/60°C
  - Operating humidity: 10% to 90% non-condensing
  - Storage humidity: 5% to 95% non-condensing
- **Electrical**
  - Auto-detectable (PFC Compliant) 100-240VAC, 50-60Hz
  - ENERGY STAR qualified printers

**Physical Characteristics**
- **Direct Thermal**
  - **Width**: 6.75/171 mm
  - **Height**: 6.0/152 mm
  - **Weight**: 3 lbs/1.4 kg
- **Thermal Transfer**
  - **Width**: 7.6/193 mm
  - **Height**: 7.5/191 mm
  - **Weight**: 4.6 lbs/2.1 kg

**ZebraLink™ Solutions**
- **Software**
  - ZebraDesigner™ Pro
  - ZebraDesigner
  - ZebraNet Bridge Enterprise
  - ZebraNet Utilities v7.0
  - ZebraDesigner Windows® Driver
  - ZBI-Developer™
  - POS Driver
- **Networking and Connectivity**
  - Ethernet - 10/100 internal (optional)
- **Firmware**
  - EPL™
  - EPL Line Mode (direct thermal only)
  - ZPL II™
  - Web View
  - Alert
  - ZBI™
- **Communication and Interface Capabilities**
  - RS-232 auto-sensing Serial interface, DB-9
  - USB V1.1, bi-directional
  - Centronics® Parallel
  - Ethernet—10/100 internal (optional) offered in combination with USB and Serial interface (replaces Serial and Parallel ports)

**Fonts/Graphics/Symbologies**
- **Fonts and Character Sets**
  - 16 resident expandable ZPL II bitmap fonts
  - One resident scaleable ZPL font
  - Five resident expandable EPL2 fonts
  - Native open type font support
  - Unicode™ compliant for multi-language, on-demand thermal printing

**Graphic Features**
- Supports user-defined fonts and graphics— including custom logos
- ZPL II drawing commands—for boxes and lines

**Barcode Symbolologies**
- **Barcode Rations**: 2:1 (non-rotated) and 3:1
- **Linear Barcodes**: Codabar, Code 11 (ZPL), Code 128, Code 39, Code 93, Code 13, EAN-13, 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), Logimars (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 and 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)

**Options and Accessories**
- Dispenser—label peel and present with label present sensor
- ZebraNet® 10/100 Print Server—Internal Ethernet for network communication and printing
- Font Packs—Asian and other international font kits
- ZDKU™ and KDU Plus™ keyboard display units for stand-alone printing solutions
- Interface cables and adapters

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*Specifications subject to change without notice.

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**Corporate Headquarters**
+1 800 423 0442
inquiry4@zebra.com

**Asia-Pacific Headquarters**
+65 6858 0722
apachannelmarketing@zebra.com

**EMEA Headquarters**
+44 (0)1628 556000
mseeurope@zebra.com

**Latin America Headquarters**
+1 847 955 2283
inquiry4@zebra.com

**Other Locations**
- **USA**: California, Georgia, Illinois, Rhode Island, Texas, Wisconsin
- **Europe**: France, Germany, Italy, the Netherlands, Poland, Spain, Sweden, Turkey, United Kingdom
- **Asia Pacific**: Australia, China, Hong Kong, India, Indonesia, Japan, Malaysia, Philippines, Singapore, South Korea, Taiwan, Thailand, Vietnam
- **Latin America**: Argentina, Brazil, Colombia, Florida (LA Headquarters in USA), Mexico, Africa, Middle East: Dubai, South Africa