



# Zebra® Advanced Desktop Printers



SEE MORE. DO MORE.

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 offers direct thermal and thermal transfer printing power in a sleek, compact design. The GK420d offers only direct thermal printing.

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 in the healthcare colour palette 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 labelling

**Retail:** price marking, voucher and receipt printing, inventory and product labelling

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

**Transportation & Logistics:** shipping labels

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

**Manufacturing:** light-industrial work-in-process and product labelling

# SPECIFICATIONS AT A GLANCE\*

## Printer Name

GK420t  
GK420d

## 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
- Certified Microsoft® Windows® drivers
- ENERGY STAR® qualified

## Printer Specifications

### Resolution

8 dots per mm/203 dpi

### Memory

Standard: 4 MB Flash; 8 MB SDRAM

### Print Width

104mm/4.09"

### Maximum Print Length

991mm/39"

### Maximum Print Speed

127mm per second/5"

### Media Sensors

Standard: Fixed reflective and transmissive sensors

## Media Characteristics

### Maximum Label and Liner Length

Maximum non-continuous: 991mm/39"

### Maximum Label and Liner Width

19mm/0.75" - 108mm/4.25"

### Maximum Media Roll Size

127mm/5" O.D.

### Media Thickness

0.08mm/0.003" to 0.19mm/0.0075"

### 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: 35mm/1.36"
- Standard length: 74m/244'
- Ratio: 1:1 media to roll to ribbon
- Width: 33.8mm/1.33" to 109.2mm/4.3"
- Core inner diameter: 12.7mm/0.5"

## Operating Characteristics

### Environmental

- Operating temperature: 4°C/40°F to 41°C/105°F
- Storage temperature: -40°C/-40°F to 60°C/140°F
- 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

### Agency Approvals

- Emissions: FCC Part 15, Subpart B (Class B), ICES 003, VCCI, C-Tick, CQC, EAC, KCC, BSMI, ICES-003
- Emissions and Susceptibility: EN55022 (Class B), EN55024, EN61000-3-2, EN61000-3-3
- Safety: CB Scheme IEC 60950-1, TUV NRTL, C-Tick, CCC, NOM, EAC, KCC, BSMI, BIS

### Physical Characteristics

Direct Thermal	Thermal Transfer
Width: 171mm/6.75"	193mm/7.6"
Height: 152mm/6.0"	191mm/7.5"
Depth: 210mm/8.25"	254mm/10.0"
Weight: 1.4kg/3lbs	2.1kg/4.6lbs

## 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

- EPL2™
- EPL Line Mode (direct thermal only)
- ZPL II®
- Web View
- Alert
- ZBI™

### Communication and Interface Capabilities

- RG-Series models triple interface standard
- RS-232 auto-sensing Serial interface, DB-9
- USB V1.1, bi-directional
- Centronics® Parallel
- Ethernet – 10/100 internal (optional, 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 Symbologies

- Barcode Ratios: 2:1 (non-rotated) and 3:1
- Linear Barcodes: Codabar, Code 11 (ZPL), Code 128, Code 39, 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)

### 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
- ZKDU™ and KDU Plus™ keyboard display units for stand-alone printing solutions
- Interface cables and adapters



GK420 Series Printers



## Zebra Technologies – EMEA Headquarters & Sales Office

Zebra Technologies Europe Limited, Dukes Meadow, Millboard Road, Bourne End, Buckinghamshire, SL8 5XF, United Kingdom  
Telephone: +44 (0)1628 556000 Fax: +44 (0)1628 556001 Email: mseurope@zebra.com Web: www.zebra.com

## Other EMEA Locations

Europe: France, Germany, Italy, the Netherlands, Poland, Russia, Spain, Sweden, Turkey  
Middle East & Africa: Dubai, South Africa

\*Specifications subject to change without notice.

©2015 ZIH Corp. EPL, EPL2, OpenACCESS, ZebraLink and all product names and numbers are Zebra trademarks, and Zebra, the Zebra head graphic, ZPL, ZPL II, and ZebraNet are registered trademarks of ZIH Corp. All rights reserved. ENERGY STAR and the ENERGY STAR mark are registered marks owned by the U.S. government. Bluetooth is a registered trademark of Bluetooth SIG, Inc. Centronics is a registered trademark of Centronics Data Computer Corporation. Unicode is a trademark of Unicode, Inc. All other trademarks are the property of their respective owners.