



Zebra® Advanced Desktop Printers



GK420t™ (direct thermal/thermal transfer)
GK420d™ (direct thermal)
GT800™ (direct thermal/thermal transfer)



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 top 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-metre ribbon for fewer ribbon changes along with a standard moveable sensor. Additional GT800 options include 300 dpi and a full-width cutter or peel dispenser. 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 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, coupon and receipt printing, inventory and product labelling

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) | Ribbon Characteristics | Options and Accessories | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--------------|--------|--------|--------|-------------|-------------|------------|---------|-------------|------------|------------|--------|--------------|-------------|-------------|---------|---------------|------------|--------------|---------------------------|
| Standard Features <ul style="list-style-type: none"> 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 metre ribbon capacity (GT800 Model only) 32 bit RISC processor Certified Microsoft® Windows® drivers ENERGY STAR® qualified | GT800 <ul style="list-style-type: none"> Outside Diameter: 66mm/2.6" (300 metre); 34mm/1.34" (74 metre) Standard Length: 300 metre (984'); 74 metre (244') Ratio: <ul style="list-style-type: none"> 1:4 media to roll to ribbon (300 metre) 1:1 media to roll to ribbon (74 metre) Width: 33.8 mm/1.33" ~ 110mm/4.3" Core I.D.: <ul style="list-style-type: none"> 25.4mm/1" (300 metre ribbon) 12.7mm/0.5" (74 metre ribbon) GK420t <ul style="list-style-type: none"> Outside diameter: 35mm/1.36" Standard length: 74 metre/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" | <ul style="list-style-type: none"> Dispenser: Label peel and present with label present sensor Full-width cutter (GT800) 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 other international font kits 12 dots per mm/300 dpi (GT800) | | | | | | | | | | | | | | | | | | | | |
| Printer Specifications | Operating Characteristics | Barcode Symbologies | | | | | | | | | | | | | | | | | | | | |
| Resolution <ul style="list-style-type: none"> 8 dots per mm/203 dpi Optional 12 dots per mm/300 dpi (GT800 only) | Environmental <ul style="list-style-type: none"> Operating Temperature: 4.4°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 | <ul style="list-style-type: none"> 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) | | | | | | | | | | | | | | | | | | | | |
| Memory <ul style="list-style-type: none"> GT800: 8MB Flash, 8MB SDRAM GK420: 4MB Flash, 8MB SDRAM | Electrical <ul style="list-style-type: none"> Auto-detectable (PFC Compliant) 100-240VAC, 50-60Hz ENERGY STAR qualified printers | Communication and Interface Capabilities | | | | | | | | | | | | | | | | | | | | |
| Print Width <ul style="list-style-type: none"> 104mm/4.09" | Agency Approvals | <ul style="list-style-type: none"> Centronics® Parallel (36 pin) connector ports RS-232 Serial interface USB V1.1 interface, bi-directional Optional Ethernet – 10/100 internal (replaces Serial and Parallel ports in GK420 and replaces Parallel port in GT800) | | | | | | | | | | | | | | | | | | | | |
| Maximum Print Length <ul style="list-style-type: none"> 991mm/39" | GT800 <ul style="list-style-type: none"> TUV-R NRTL, TUV-R CB, NOM, KCC, CE, FCC Class-B | ZebraLink™ Solutions | | | | | | | | | | | | | | | | | | | | |
| Maximum Print Speed <ul style="list-style-type: none"> 127mm per second/5" (203 dpi) 102mm per second/4" (300dpi, GT800) | GK420 <ul style="list-style-type: none"> 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 | Software | | | | | | | | | | | | | | | | | | | | |
| Media Sensors <ul style="list-style-type: none"> GT800: Multi-position transmissive and full-width reflective sensor GK420: Fixed reflective and transmissive sensors | Physical Characteristics | <ul style="list-style-type: none"> ZebraDesigner™ Pro ZebraDesigner ZebraNet™ Bridge Enterprise ZebraNet Utilities v7.0 ZBI-Developer™ Zebra Setup Utilities ZebraDesigner Windows Driver POS Driver | | | | | | | | | | | | | | | | | | | | |
| Media Characteristics <ul style="list-style-type: none"> Maximum Media Roll Size: 127 mm/5" O.D. on a 25.5mm/1", 38mm/1.5" I.D. core Media Thickness: 0.08 mm/0.003" ~ 0.18 mm/0.007" Maximum Label and Liner Width: <ul style="list-style-type: none"> GT800: 19mm/0.75" to 114mm/4.49" GK420: 19mm/0.75" to 108mm/4.25" Media Length: 6.5mm/0.25" to 991mm/39" Maximum Label and Liner Length: 991 mm/39" Maximum non-continuous: 991 mm/39" 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 | <table border="1"> <thead> <tr> <th></th> <th>GT800</th> <th>GK420d</th> <th>GK420t</th> </tr> </thead> <tbody> <tr> <td>Width:</td> <td>197mm/7.75"</td> <td>171mm/6.75"</td> <td>193mm/7.6"</td> </tr> <tr> <td>Height:</td> <td>184mm/7.25"</td> <td>152mm/6.0"</td> <td>191mm/7.5"</td> </tr> <tr> <td>Depth:</td> <td>273mm/10.75"</td> <td>210mm/8.25"</td> <td>254mm/10.0"</td> </tr> <tr> <td>Weight:</td> <td>2.63kg/5.8lbs</td> <td>1.4kg/3lbs</td> <td>2.1kg/4.6lbs</td> </tr> </tbody> </table> | | GT800 | GK420d | GK420t | Width: | 197mm/7.75" | 171mm/6.75" | 193mm/7.6" | Height: | 184mm/7.25" | 152mm/6.0" | 191mm/7.5" | Depth: | 273mm/10.75" | 210mm/8.25" | 254mm/10.0" | Weight: | 2.63kg/5.8lbs | 1.4kg/3lbs | 2.1kg/4.6lbs | Networking Options |
| | GT800 | GK420d | GK420t | | | | | | | | | | | | | | | | | | | |
| Width: | 197mm/7.75" | 171mm/6.75" | 193mm/7.6" | | | | | | | | | | | | | | | | | | | |
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| | Fonts/Graphics/Symbologies | Ethernet - 10/100 internal (optional) | | | | | | | | | | | | | | | | | | | | |
| | Fonts and Character Sets <ul style="list-style-type: none"> 16 resident expandable ZPL fonts One resident scalable ZPL font 5 resident expandable EPL2 fonts Supports user-defined fonts and graphics – including custom logos (GT800) Native open type font support (GK420) Unicode™ compliant for multi-language, on-demand thermal printing | Firmware | | | | | | | | | | | | | | | | | | | | |
| | | <ul style="list-style-type: none"> ZPL II® EPL2™ ZBI 2.0™ (optional) EPL Line Mode (GK420d only) | | | | | | | | | | | | | | | | | | | | |



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