



# 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\*

<b>Printer Name</b> GK420t GK420d GT800 (not available in North America)	<b>Ribbon Characteristics</b> <b>GT800</b> <ul style="list-style-type: none"><li>• Outside Diameter: 66mm/2.6" (300 metre); 34mm/1.34" (74 metre)</li><li>• Standard Length: 300 metre (984'); 74 metre (244')</li><li>• Ratio:<ul style="list-style-type: none"><li>– 1:4 media to roll to ribbon (300 metre)</li><li>– 1:1 media to roll to ribbon (74 metre)</li></ul></li><li>• Width: 33.8 mm/1.33" ~ 110mm/4.3"</li><li>• Core I.D.:<ul style="list-style-type: none"><li>– 25.4mm/1" (300 metre ribbon)</li><li>– 12.7mm/0.5" (74 metre ribbon)</li></ul></li></ul> <b>GK420t</b> <ul style="list-style-type: none"><li>• Outside diameter: 35mm/1.36"</li><li>• Standard length: 74 metre/244'</li><li>• Ratio: 1:1 media to roll to ribbon</li><li>• Width: 33.8mm/1.33" to 109.2mm/4.3"</li><li>• Core inner diameter: 12.7mm/0.5"</li></ul>	<b>Options and Accessories</b> <ul style="list-style-type: none"><li>• Dispenser: Label peel and present with label present sensor</li><li>• Full-width cutter (GT800)</li><li>• ZebraNet 10/100 Print Server: Internal Ethernet for network communication and printing</li><li>• ZKDU™ and KDU Plus™ keyboard display units for stand-alone printing solutions</li><li>• Font Packs – Asian and other international font kits</li><li>• 12 dots per mm/300 dpi (GT800)</li></ul> <b>Barcode Symbologies</b> <ul style="list-style-type: none"><li>• Bar Code Ratios: 2:1 (non-rotated) and 3:1</li><li>• 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)</li><li>• 2-Dimensional: Codablock (ZPL), Code 49 (ZPL), Data Matrix, MaxiCode, QR Code, PDF417, MicroPDF417, Aztec (for EPL and ZPL except where noted)</li></ul> <b>Communication and Interface Capabilities</b> <ul style="list-style-type: none"><li>• Centronics® Parallel (36 pin) connector ports</li><li>• RS-232 Serial interface</li><li>• USB V1.1 interface, bi-directional</li><li>• Optional Ethernet – 10/100 internal (replaces Serial and Parallel ports in GK420 and replaces Parallel port in GT800)</li></ul>																				
<b>Printer Specifications</b> <b>Resolution</b> <ul style="list-style-type: none"><li>• 8 dots per mm/203 dpi</li><li>• Optional 12 dots per mm/300 dpi (GT800 only)</li></ul> <b>Memory</b> <ul style="list-style-type: none"><li>• GT800: 8MB Flash, 8MB SDRAM</li><li>• GK420: 4MB Flash, 8MB SDRAM</li></ul> <b>Print Width</b> <ul style="list-style-type: none"><li>• 104mm/4.09"</li></ul> <b>Maximum Print Length</b> <ul style="list-style-type: none"><li>• 991mm/39"</li></ul> <b>Maximum Print Speed</b> <ul style="list-style-type: none"><li>• 127mm per second/5" (203 dpi)</li><li>• 102mm per second/4" (300dpi, GT800)</li></ul> <b>Media Sensors</b> <ul style="list-style-type: none"><li>• GT800: Multi-position transmissive and full-width reflective sensor</li><li>• GK420: Fixed reflective and transmissive sensors</li></ul> <b>Media Characteristics</b> <ul style="list-style-type: none"><li>• Maximum Media Roll Size: 127 mm/5" O.D. on a 25.5mm/1", 38mm/1.5" I.D. core</li><li>• Media Thickness: 0.08 mm/0.003" ~ 0.18 mm/0.007"</li><li>• Maximum Label and Liner Width:<ul style="list-style-type: none"><li>– GT800: 19mm/0.75" to 114mm/4.49"</li><li>– GK420: 19mm/0.75" to 108mm/4.25"</li></ul></li><li>• Media Length: 6.5mm/0.25" to 991mm/39"</li><li>• Maximum Label and Liner Length: 991 mm/39"</li><li>• Maximum non-continuous: 991 mm/39"</li><li>• 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</li></ul>	<b>Operating Characteristics</b> <b>Environmental</b> <ul style="list-style-type: none"><li>• Operating Temperature: 4.4°C/40°F to 41°C/105°F</li><li>• Storage Temperature: -40°C/-40°F to 60°C/140°F</li><li>• Operating Humidity: 10% to 90% non-condensing</li><li>• Storage Humidity: 5% to 95% non-condensing</li></ul> <b>Electrical</b> <ul style="list-style-type: none"><li>• Auto-detectable (PFC Compliant) 100-240VAC, 50-60Hz</li><li>• ENERGY STAR qualified printers</li></ul> <b>Agency Approvals</b> <b>GT800</b> <ul style="list-style-type: none"><li>• TUV-R NRTL, TUV-R CB, NOM, KCC, CE, FCC Class-B</li></ul> <b>GK420</b> <ul style="list-style-type: none"><li>• Emissions: FCC Part 15, Subpart B (Class B), ICES 003, VCCI, C-Tick, CQC, EAC, KCC, BSMI, ICES-003</li><li>• Emissions and Susceptibility: EN55022 (Class B), EN55024, EN61000-3-2, EN61000-3-3</li><li>• Safety: CB Scheme IEC 60950-1, TUV NRTL, C-Tick, CCC, NOM, EAC, KCC, BSMI, BIS</li></ul> <b>Physical Characteristics</b> <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	<b>Zebralink™ Solutions</b> <b>Software</b> <ul style="list-style-type: none"><li>• ZebraDesigner™ Pro</li><li>• ZebraDesigner</li><li>• ZebraNet™ Bridge Enterprise</li><li>• ZebraNet Utilities v7.0</li><li>• ZBI-Developer™</li><li>• Zebra Setup Utilities</li><li>• ZebraDesigner Windows Driver</li><li>• POS Driver</li></ul> <b>Networking Options</b> Ethernet - 10/100 internal (optional) <b>Firmware</b> <ul style="list-style-type: none"><li>• ZPL II®</li><li>• EPL2™</li><li>• ZBI 2.0™ (optional)</li><li>• EPL Line Mode (GK420d only)</li></ul>
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	<b>Fonts/Graphics/Symbologies</b> <b>Fonts and Character Sets</b> <ul style="list-style-type: none"><li>• 16 resident expandable ZPL fonts</li><li>• One resident scalable ZPL font</li><li>• 5 resident expandable EPL2 fonts</li><li>• Supports user-defined fonts and graphics – including custom logos (GT800)</li><li>• Native open type font support (GK420)</li><li>• Unicode™ compliant for multi-language, on-demand thermal printing</li></ul>																					



## Zebra Technologies – EMEA Headquarters & Sales Office

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## Other EMEA Locations

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

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