GK420 Advanced Desktop Printers

Boost productivity with quality, reliable printing and advanced features—priced to fit your budget

Zebra's GK420™ advanced desktop printers deliver professional-quality, dependable performance and advanced features, all at a competitive price. Available in both direct thermal and thermal transfer models, these printers offer fast print speeds, network manageability and easy-load designs to help you improve operational efficiencies, boost profitability and reduce downtime. Also available in a healthcare-specific model, the printers are ideal for a wide range of environments.

GK420t

GK420d

GK420d Healthcare

GK420t Healthcare

Zebra OneCare Services

Increase printer uptime and reduce lost productivity and unbudgeted repair costs by selecting a Zebra OneCare™ service agreement. A cost-effective means of planning and budgeting for your annual maintenance expenditures, your agreement ensures that trained Zebra technicians will bring your printer back to factory specifications. Zebra offers a variety of plans to fit your budget and business needs.

Genuine Zebra Supplies

Ensure consistent print quality, reduce downtime and increase productivity in your printing process with Genuine Zebra™ supplies. We manufacture each supplies product with the exact same materials every time so you always get crisp, readable and scannable output without needing to adjust the printer darkness setting between rolls.

Advanced Features You Need— In a Dependable, Compact Printer

Available with direct thermal or thermal transfer, the GK420 combines an intuitive user interface, advanced features and the quality you expect from a Zebra® printer.

Flexible and Easy to Use

Zebra's GK420 advanced desktop printers are flexible, making them a top choice for a variety of mid-volume and distributed-printing applications. Whether you're printing transportation and logistics shipping labels, healthcare patient identification or pharmacy labels, retail coupons or receipts, or hospitality boarding passes or bag tags, GK420 printers make it easy. Fast print speeds help you get the job done quicker. And, loading media is a snap with the OpenACCESS™ clamshell design. Avoid wasted time and media with the standard auto-calibration feature.

Connectivity + Quality

Offering three connectivity interfaces and optional 10/100 Ethernet— along with standard EPL™ and ZPL® programming languages—these printers are quick and easy to integrate. Consistently producing quality text, barcodes and graphics, they ensure your print output is always professional-looking and barcodes are reliably scannable. ENERGY STAR® qualified, GK420 printers help protect your budget and reduce your total cost of ownership.

GK420 Healthcare

For healthcare-specific environments, Zebra offers the GK420 Healthcare printer—available with thermal transfer or direct thermal. These printers are constructed using durable materials in the healthcare color palette for frequent, easy cleaning with harsh disinfectant chemicals over their lifetime. Engineered to protect patient safety and ensure compliance, they also contain a medical-grade power supply that meets IEC 60601-1 standards to reduce the risk of electrical shock. With GK420 Healthcare printers, healthcare professionals can print labels and wristbands anywhere in a healthcare facility.

Cleaning Made Simple for Healthcare Models

For a complete, approved list of cleaning agent ingredients compatible with GK420 Healthcare printers, see the separate "Guide to Disinfecting and Cleaning Zebra Healthcare Printers".

GK420 Specifications

STANDARD FEATURES

- 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	203 dpi/8 dots per mm
Memory	Standard: 4 MB Flash; 8 MB SDRAM
Maximum Print Width	4.09"/104 mm
Maximum Print Speed	5"/127 mm per second
Media Sensors	Standard: Fixed reflective and transmissive sensors
Maximum Print Length	39"/991 mm

MEDIA CHARACTERISTICS

Media Width	0.75"/19 mm - 4.25"/108 mm
Maximum Media Roll Size	5"/127 mm O.D.
Thickness	0.003"/0.08 mm to 0.0075"/0.19 mm
Media Types	Roll-fed or fan-fed, die-cut or ccontinuous direct thermal or thermal transfer labels with or without black line, tag stock, continuous receipt paper, wristbands

RIBBON CHARACTERISTICS (Thermal-transfer option only)

Standard Length	244'/74 M
Width	1.33"/33.8 mm to 4.3"/109.2 mm
Core I.D.	0.5"/12.7 mm

OPERATING CHARACTERISTICS

Environmental	Operating Temperature: 40°F to 105°F/4.4°C to 41°C
	Operating Humidity: 10% to 90% non-condensing
	Storage/Transportation Temperature: -40°F to 140°F/ -40°C to 60°C
	Storage Humidity: 5% to 95% non-condensing
Electrical	Auto-ranging external power supply with C14 type connector
	Output: 24 VDC, 2.5A
	Input: 100-240 VAC, 50-60 Hz
	ENERGY STAR qualified
	IEC 60601-1 Certified, Output: 24 VDC, 3.125A (GK420 Healthcare Models only)
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 (GK420t only)

PHYSICAL CHARACTERISTICS

	GK420d	GK420t
Length	8.25"/210 mm	10.0"/254 mm
Width	6.75"/171 mm	7.6"/193 mm
Height	6.0"/152 mm	7.5"/191 mm
Weight	3 lbs./1.4 kg	4.6 lbs./2.1 kg

COMMUNICATION AND INTERFACE CAPABILITIES

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)

SOFTWARE TOOLS

ZebraLink Solutions

Zebra Setup Utilities — A Windows application to quickly set up and configure your Zebra printer.

ZebraDesigner™ — Simple Windows WYSIWYG label design application with basic features.

ZebraDesigner Pro — Simple Windows WYSIWYG label design application offering more advanced features for more complex label designs.

ZebraDesigner Windows Driver — Microsoft certified for Windows Vista®, Windows 7, Windows 8, Windows 8.1, Windows 2008, and Windows 2012.

ZBI-Developer™ — Programming utility makes it dramatically easier for programmers to create and test complex ZBI 2.0™ programs and distribute them to the printer (standard with ZBI 2.0).

ZebraNet™ Bridge Enterprise — Centrally manage Zebra printers from a single PC screen anywhere on your global network.

ZebraNet Utilities v7.0 — Provides enhanced printing, conversion and administration capabilities; message management; and more.

POS Driver

Web View

Connect and control Zebra barcode printers using ZPL II via the printer's web interface using common web browsers.

Alert

Printers equipped with ZebraNet print servers will notify you via any email-enabled, wired, or wireless device to minimize downtime.

FIRMWARE

ZBI 2.0 — Optional powerful programming language that lets printers run stand-alone applications, connect to peripherals, and much more.

ZPL and ZPL II® — Zebra Programming Language provides sophisticated label formatting and printer control and is compatible with all Zebra printers.

EPL and EPL2™ — Eltron Programming Language with Line Mode simplifies label formatting and enables format compatibility with legacy applications. (EPL with Line Mode available on direct thermal models only.)

BARCODE SYMBOLOGIES

Barcode Ratios: 2:1 (non-rotated) and 3:1

Linear Barcodes: 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)

2D Barcodes: Codablock (ZPL), Code 49 (ZPL), Data Matrix, MaxiCode, QR Code, PDF417, MicroPDF417, Aztec (For EPL and ZPL except where noted)

Ideal for These Applications

Transportation and Logistics

- Shipping labels

Healthcare

- Patient identification
- Pharmacy and product labeling

Retail

- Price marking
- Coupon and receipt printing
- Inventory and product labeling

Hospitality and Leisure

- Boarding passes
- Bag tags

Security

- Visitor ID
- Evidence tracking
- Parking passes

Manufacturing

- Light-industrial
- Work-in-process and product labeling

GK420 Specifications

FONTS AND GRAPHICS

16 resident expandable ZPL fonts

One resident scalable ZPL font

Five resident expandable EPL2 fonts

Supports user-defined fonts and graphics — including custom logos

Native open type font support

Unicode™ compliant for multi-language, on-demand thermal printing

ZPL II drawing commands — for boxes and lines

1.5 MB user available non-volatile memory storage for downloadable objects

3 MB user-available SDRAM

OPTIONS AND ACCESSORIES

Dispenser — Label peel and present with label present sensor

ZebraNet® 10/100 Print Server — Internal or external Ethernet for network communication and printing

Font Packs — Asian and other international font kits

ZKDU™ keyboard display units for stand-alone printing applications

For optimum print quality and printer performance, use Genuine Zebra supplies. Specifications subject to change without notice.

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