

Zebra® GK888™ Desktop Printer



Application photo



Affordability Meets High-Quality

Zebra's feature-rich, competitively priced GK888 desktop printer brings Zebra quality, durability and reliable performance to many low- to medium-volume, direct thermal and thermal transfer printing applications. With the same mechanical design as the legacy 888 DT/TT series, it allows customers to easily migrate to the new GK888. Designed exclusively for Chinese users, the GK888 comes preloaded with traditional and simplified Chinese font sets including SimSun GB18030.

Compact Design Filled with Powerful Features

The GK888 printer's compact, space-saving design contains a powerful 32-bit processor for fast label throughput, and a large memory for more graphics storage, longer (991 mm) label formats, and faster processing. The GK888 supports a 108 mm media width for standard desktop applications. It also includes both EPL™ and powerful ZPL® programming languages—making it easy to integrate with other Zebra printers—while its three interfaces and 10/100 Ethernet option offers flexibility in connecting with your local or networked system. Peeler/dispenser and cutter options extend the GK888 printer's versatility to meet an even greater variety of applications.

Zebra's GK888 supports many applications, including:

- **Government**—Asset management, documents management, evidence tracking
- **Healthcare**—Laboratory specimen and blood bank labeling
- **Retail**—Price labeling and receipt printing
- **Manufacturing**—Light-industrial work-in-process, product and shipping labeling
- **Transportation & logistics**—Boarding tickets, bag tags, parking passes

Specifications at a Glance*

Printer Name

GK888

Standard Features

- 32 bit RISC processor
- Co-resident EPL and ZPL programming languages
- Triple connectivity: Serial, USB and parallel
- Print methods: Thermal transfer and direct thermal modes
- Construction: Dual-wall frame, reinforced plastic
- OpenACCESS™ for easy media and ribbon loading
- Certified Microsoft® Windows® drivers
- Chinese font set—GB18030 traditional & Simplified SimSun typeface (ZPL); Traditional KAI and Simplified SUNG (EPL)

Printer Specifications

Resolution

203 dpi/8 dots per mm

Memory

8 MB Flash, 8 MB SDRAM (standard)

Print Width

4.09"/104 mm

Print Length

39"/990 mm

Print Speed

4"/102 mm per second

Media Sensors

Standard: Fixed reflective and transmissive sensors

Media Characteristics

Media width

1.00"/25.4 mm to 4.24"/108 mm

Media length

0.38"/9.6 mm to 39"/990 mm

Maximum media roll size

5"/127 mm O.D. on a 1.00"/25.4 mm, 1.5"/38 mm I.D. core

Media thickness

0.003"/0.08 mm to 0.007"/0.18 mm

Media types

Roll-fed or fan-fed, die cut or continuous direct thermal labels with or without black mark, tag stock, continuous receipt paper, wristbands, and optional liner-free direct thermal media

Ribbon Characteristics

Outside diameter

1.34"/34 mm (74 m)

Standard length

244' (74 m)

Ratio

1:1 media to roll to ribbon

Width

1.33"/33.8 mm to 2.4"/58 mm

Core I.D.

0.5"/12.7 mm

Operating Characteristics

Environmental

- Operating Temp: 40° F/5° C to 105° F/41° C
- Storage Temp: -40° F/-40° C to 140° F/60° C
- Operating Humidity: 10% to 90% non-condensing R.H
- Storage Humidity: 5% to 95% non-condensing R.H.

Agency Approvals

CCC, BSMI

Physical Characteristics

	GK888d	GK888t
• Width:	7.9"/201 mm	7.9"/201 mm
• Height:	6.7"/170 mm	6.8"/173 mm
• Depth:	8.2"/208 mm	9.4"/239 mm
• Weight:	3 lbs/1.4 kg	3.2 lbs/1.5 kg

ZebraLink™ Solutions

Software

- Zebra Setup Utilities—Windows utility drivers to set up and configure your Zebra printer
- ZebraDesigner™ Pro—An intuitive, easy-to-use software program for creating complex label designs (option)
- ZebraDesigner—Offers basic features for simple label design
- 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
- Zebra Universal Driver—The most powerful driver available from Zebra
- Web View—Connect and control Zebra bar code printers via the printer's Web interface using a common Web browser using ZPL II
- Alert—Printers equipped with ZebraNet® print servers will notify you via any e-mail-enabled, wired, or wireless device to minimize downtime

Networking Options

Ethernet—10/100 internal offered in combination with USB and serial interface (replaces parallel port)

Firmware

- ZBI 2.0™—Powerful programming language that lets printers run stand-alone applications, connect to peripherals, and much more (option)
- 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)
- ZPL II®—Zebra Programming Language provides sophisticated label formatting and printer control and is compatible with tabletop and mobile Zebra printers
- EPL2™—Eltron Programming Language with Line Mode simplifies label formatting and enables format compatibility with legacy applications
- EPL—Line Mode support (LP 2824 Plus) enables format compatibility with legacy applications

Fonts/Graphics/Symbologies

- 16 resident expandable ZPL fonts
- One resident scalable ZPL font
- 5 resident expandable EPL2 fonts
- Supports user-defined fonts and graphics—including custom logos

Programming Language to Chinese font mapping table

Programming Language	Big 5	GB2312	GB18030
EPL	Kai (font 8)	Sung (font 8)	N/A
ZPL	SimSun		

Font Specification

Font	Type	Width	Height	Sp	CPI	Chars
Sung	Simplified	32	32	0*	6.3*	15,792
Kai	Traditional	32	32	0*	6.3*	15,793
SimSun	Simplified	24	24	0*	8.5*	30,492
SimSun	Traditional	24	24	0*	8.5	30,492

* Spacing of Asian characters is controlled via the *i* command. The formula for CPI is $203 / (32 + i)$. Thus, as *i* increases, CPI decreases. For example: If *i* = 2, $CPI = 203 / 34 = 6.0$.

Bar Code Symbologies

- 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)

Communication and Interface Capabilities

- Centronics® parallel (36 pin) connector ports
- RS-232 Serial interface
- USB V1.1 interface, bi-directional
- 10/100 internal Ethernet with USB V1.1 (option)

Options and Accessories

- Dispenser—Label peel and present with label present sensor
- Cutter for various media types
- 10/100 internal Ethernet with USB V1.1
- KDU and KDU Plus™—Keyboard display units for stand-alone printing applications

*Specifications subject to change without notice.

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