

ZEBRA ZD421

Compact desktop printing with smart functionality

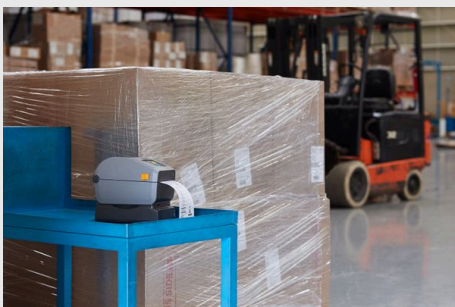
- + Print speeds up to 6 ips (152 mm/s)
- + Selectable resolution: 203 or 300 dpi
- + Direct thermal & thermal transfer variants available
- + Field-upgradeable Wi-Fi/Bluetooth & Ethernet available
- + Intuitive operation with 3 buttons & LED icons
- + Special healthcare models with disinfectable housing



FLEXIBLE 4-INCH DESKTOP PRINTER

The Zebra ZD421 is a versatile 4-inch desktop printer designed for businesses that require high flexibility, improved usability, and modern connectivity. It is available in direct thermal, thermal transfer roll, and thermal transfer cartridge versions, including models specifically for healthcare (HC). With print resolutions of 203 or 300 dpi and print speeds of up to 152 mm/s (6 ips), it delivers precise print results for labels, tags, and patient wristbands. Media handling has been optimized, the user interface redesigned, and optional WLAN/Bluetooth as well as Ethernet or serial connectivity is available. Ribbon replacement and maintenance are quick and easy. The ZD421 series clearly outperforms its predecessors, such as the ZD420 and GK series, in terms of performance and functionality, offering high security and scalability and making it ideal for logistics, retail, healthcare, and manufacturing. For anyone who needs reliable, intuitive printing today and in the future.

APPLICATIONS



ZEBRA ZD421

SPECIAL FEATURES

MODULAR MEDIA HANDLING & UPGRADEABLE OPTIONS

The ZD421 offers both factory-installed and field-upgradeable media handling: a peeler (label applicator) and cutter can be installed as options. Media guidance, media changes, and contact points have been redesigned with color-coded touch points to simplify daily handling. A movable sensor enables detection of gaps, black marks, or notches across the entire width.

PERFORMANCE IMPROVEMENT OVER PREDECESSOR MODELS

Compared to the ZD420 series, the ZD421 delivers around 30% more performance headroom, and compared to the older GK series even up to 700% more performance. It processes tasks more in parallel, offers faster processing, and greater stability, for example with more complex label formats or special printing requirements. This makes it more future-proof and more efficient in operation.

PREMIUM FEATURES WITH RIBBON CARTRIDGE & SMART RIBBON REPLACEMENT

A special feature of the ZD421 is the ribbon cartridge model (ZD421C), which allows easy ribbon loading – fast, intuitive, and error-free. In addition, conventional ribbon rolls (74 m or 300 m) are available, which, combined with the USB host port and LED status indicators, enable very efficient operation, especially when color is required or long ribbons are used.

HEALTHCARE VERSION & CLEANING/SAFETY FEATURES

The healthcare version (ZD421 HC) is specifically designed for medical environments: the housing materials are UV-stabilized and disinfectable, and the power supply complies with the IEC 60601-1 standard. In addition, the ZD421 offers features for secure network integration, up-to-date software features, and modern interfaces—making it particularly well suited in terms of hygiene, security, and compliance.

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TECHNICAL SPECIFICATIONS

PRINTING SPECIFICATIONS

Printing process	Thermal transfer; Thermal direct
Print width up to	108 mm
Print length max.	991 mm
Printhead resolution	203 dpi; 300 dpi
Print speed up to	152 mm/sec ¹
Printhead technology	Flathead
PDF direct printing	+

¹ 102mm (300 dpi)

PRINT MEDIA

Material width (labels and liner material)	15 - 118 mm
Material thickness	0.08 - 0.19 mm

RIBBON

Ribbon width	33 - 109.2 mm
Core diameter	25.4 mm
Maximum length	74 m (1/2") / 300 m (1")
Winding	Outside

HARDWARE

Display	Zebra Keyboard Display Unit (ZKDU)
RAM	256 MB ¹
ROM / flash memory	512 MB ²
Flash memory expansion as an option	-
SD memory card slot	-
USB memory stick slot	+
Interfaces	RS232; USB host dual; Bluetooth 4.1; WLAN 802.11 a/b/g/n/ac (retrofit option); Ethernet 10/100 BaseT

¹ 8 MB user available ² 64 MB user available

SOFTWARE

Emulations	ZPL
Programming language	ZPL II; EPL 2; XML; ZBI

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PHYSICAL ASPECTS

System dimensions (HxWxL)	189 x 202 x 267 mm
Weight	2.3 kg
Authorisations	CE; FCC; CCC; ICES-003
Ambient temperature	4.4 - 41°C ^①
Rel. humidity non-condensing	10 - 90 %
Frequency	50 - 60 Hz

① Operating temperature

ZEBRA ZD421



YOUR RELIABLE PARTNER

+ PERSONAL POINT OF CONTACT

Your personal point of contact from our team will listen to you and explain the options.

+ MADE IN GERMANY

With our Made in Germany production, we guarantee quality and availability.

+ APPROPRIATE SOLUTION

We develop the optimal solution for your requirements, independently of technology.

+ SEAMLESS SERVICE

Our comprehensive service network is always on hand to help.

+ REGIONALLY ROOTED, GLOBALLY CONNECTED

As a family-owned company with branches worldwide, customer relations are always our top priority.

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