

# ZD420 4-Inch Desktop Printers

A new level of ease of use, application flexibility, management simplicity and TCO

The ZD420 leads its printer class in deployment and management simplicity, ease-of-use, application flexibility and total cost

of ownership (TCO). The next generation in Zebra's advanced desktop line, the ZD420 replaces Zebra's popular GK420 Series.

You get an easy to use clamshell design and an intuitive interface. Field-installable connectivity and media handling options allow you to purchase what you need today, yet easily add new features on site to meet tomorrow's needs. Link-OS® supports our powerful Print DNA suite of applications, utilities and developer tools that deliver a superior printing experience through better performance, simplified remote manageability and easier integration. Available in direct thermal and thermal transfer and healthcare-specific models, the ZD420 is ideal for a wide range of applications. The ZD420 – easy, flexible and simple to manage.



## STANDARD FEATURES

- Print methods: Thermal Transfer or Direct Thermal
- ZPL and EPL programming languages
- 5 status icon, 3 button user interface
- USB 2.0, USB Host
- OpenACCESS™ for easy media loading
- Dual-wall frame construction
- ENERGY STAR qualified



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Physical Characteristics	
Dimension	<b>ZD420d:</b> 8.69 in. L x 6.98 in. W x 5.93 in. H 220.8 mm L x 177.5 mm W x 150.7 mm H <b>ZD420:</b> 10.5 in. L x 8.0 in. W x 7.5 in. H 267 mm L x 202 mm W x 192 mm H
Weight	<b>ZD420d:</b> 3.6 lbs./1.6 kg <b>ZD420:</b> 5.3 lbs./2.4 kg
Printer Specifications	
Operating System	Link-OS®
Resolution	203 dpi/8 dots per mm Optional 300 dpi/12 dots per mm Resolution can be factory installed or changed on site via accessory kits. Resolution can be changed from 300 dpi to 203 dpi, as well as from 203 dpi to 300 dpi
Memory	512 MB Flash; 256 MB SDRAM for factory installed network connectivity options 512 MB Flash; 128 MB SDRAM for printers without factory installed network connectivity options
Maximum Print Width	4.09 in./104 mm for 203 dpi 4.27 in./108 mm for 300 dpi
Maximum Print Speed	6 in./152 mm per second (203 dpi) 4 in./102 mm per second (300 dpi)
Media Sensors	Full width, moveable reflective/black mark sensor; multi-position transmissive/gap sensor
Firmware	ZPL II; EPL 2; XML; ZBI
Media and Ribbon Characteristics	
Maximum Label Length	39.0 in./991 mm
Media Width	0.585 in./15 mm to 4.65 in./118 mm
Media Roll Size	Maximum outer diameter: 5.00 in./127 mm Core inner diameter: 0.5 in. (12.7 mm) and 1.0 in. (25.4 mm) standard, 1.5 in. (38.1 mm), 2.0 in. (50.8 mm) and 3.0 in. (76.2 mm) using optional adapters
Media Thickness	0.003 in. (0.08 mm) min.; 0.0075 in. (0.1905 mm) max.
Fonts/Graphics/Symbologies	
Bar Code Ratios	2:1 and 3:1
1D Bar Codes	Code 11, Code 39, Code 93, Code 128, IS BT-128, UPC-A, UPC-E, EAN -8, EAN -13, UPC and EAN 2-or-5-digit extensions, Plessey, Postnet, Standard 2-of-5, Industrial 2-of-5, Interleaved 2-of-5, Logmars, MSI, Codabar and Planet Code
2D Bar Codes	Codablock, PDF417, Code 49, DataMatrix, MaxiCode, QR Code, MicroPDF, Aztec
Fonts and Graphics	16 resident expandable ZPL II bitmap fonts, two resident scalable ZPL fonts, five resident expandable EPL2 fonts, native open-type font support, Unicode compliant. China units include SimSun simplified Chinese font 64 MB user available non-volatile memory, 8 MB user available SDRAM

Media and Ribbon Characteristics (continued)	
Media Types	Roll-fed or fan-fold, die cut or continuous with or without black mark, tag stock, continuous receipt paper, and wristbands
Ribbon Outside Diameter	2.6 in./66 mm (300 m); 1.34 in./34 mm (74 m)
Ribbon Standard Length	984 ft. (300 m); 244 ft. (74 m)
Ribbon Ratio	1:4 media to ribbon (300 m) 1:1 media to ribbon (74 m)
Ribbon Width	1.33 in./33.8 mm — 4.3 in./109.2 mm
Ribbon Core I.D.	300 meter ribbon 1 in./25.4 mm 74 meter ribbon 0.5 in./12.7 mm
Operating Characteristics	
Operating Temp.	40° to 105° F/4.4° to 41° C
Storage Temp.	-40° to 140° F/-40° to 60° C
Operating Humidity	10% to 90% non-condensing
Storage Humidity	5% to 95% non-condensing
Electrical	Auto-detectable (PFC Compliant) 100-240VAC, 50-60Hz; ENERGY STAR qualified; optional 2750 mAh battery
Options and Accessories	
Media Handling	Field installable dispenser — label peel and present with label present sensor; field installable cutter
Communications	Field installable RS-232 auto-sensing Serial, DB-9; Factory installed or field installable Ethernet — 10/100 internal; factory installed wireless dual radio: 802.11ac Wi-Fi and Bluetooth 4.1; Bluetooth Low Energy included as standard on network connected models
Battery	Provides power to the printer to support a full shift of printing at maximum print speed; supports all media handling options.
Real Time Clock	Real time clock included as standard on network connected models
Keyboard Display Unit	ZKDU keyboard display units for stand-alone printing solutions
Media Locking Cabinet	Mechanical lock with 2 keys; Kensington® lock slot; available on ZD420d Healthcare only
Carrying Case	Carrying case with shoulder strap and handles makes it easy to bring your desktop printer (ZD420 and ZD620 Series) to the point of application.
Mounting Plate	Optional accessory to secure ZD Series printers to countertops or shelves
Enclosed Power Supply	Attached power supply accessory for cord-free installation

