

ZD421 Series

Product Comparison

ZD421 vs. ZD420 and GK420

What is the ZD421 Series?

Elevate your expectations with the advanced 4-inch ZD421 desktop printer that delivers just the right features, flexibility and reliability you need—today and tomorrow. Building on the legacy of the proven and popular GK Series and ZD420, it offers added capabilities, forward flexibility and unmatched security that make it stand apart. Expect more. Achieve it with Zebra's ZD421 hassle-free printers.



What's New in the ZD421?



Advancements That Drive Today's Business

- Accomplish more tasks with more powerful processing: 30% faster than the ZD420 Series and 700% faster than the GK Series
- Easier to operate with the three-button, more intuitive user interface
- See status at a glance with the display's five LED icons
- Select 203 dpi or optional 300 dpi print resolution
- Change media quickly with the new media guide and media handling designs
- Experience greater media flexibility with the moveable media sensor
- Unmatched security for peace-of-mind protection with PrintSecure



Engineered to Evolve with You

- Power future technologies with the innovative new architecture
- Add wireless and other connectivity, along with media handling options, when you need them with field-installable kits
- Add portability with the carrying case and battery accessories
- Take advantage of ongoing Print DNA software updates for new capabilities
- Create custom apps and new printing solutions using our Developer Tools, part of Print DNA
- Explore Managed Print Services with Zebra's Print DNA software suite, which lets your vendor remotely manage and optimize printers, track and automate supplies replenishment and ensure security



Multiple Models for Application Flexibility




- Direct thermal: doesn't require ink, toner or ribbon
- Thermal transfer: supports either 74 m/243 ft. or high-capacity 300 m/984 ft. ribbons
- Ribbon cartridge*: makes ribbon loading fast, easy and fool-proof
- Healthcare: features medical-grade power supply, sealed-button interface, UV-resistant housing, disinfectant-ready plastics



Robust Remote Printer Management with Print DNA




- Integrate quickly and easily
- Manage, troubleshoot and optimize printers
- Create and distribute configurations
- Track and automate supplies replenishment
- Push updates on your schedule
- See activity in real time
- Identify potential security risks before they happen

Feature Comparison: ZD421 vs. ZD420 and GK420

Features	ZD421	ZD420	GK420
			
Printing			
Models	Direct Thermal Thermal Transfer Healthcare Ribbon Cartridge	Direct Thermal Thermal Transfer Healthcare Ribbon Cartridge	Direct Thermal Thermal Transfer Healthcare
Print Resolution	203 dpi or 300 dpi	203 dpi or 300 dpi	203 dpi
Maximum Print Speed	6 ips (203 dpi)/4 ips (300 dpi)	6 ips (203 dpi)/4 ips (300 dpi)	5 ips (203 dpi)
User Interface	Three buttons, five status icons	Three buttons, five status icons	One button, one LED
Sensors	Full width, moveable reflective/ black mark sensor; multi-position transmissive/gap sensor	Full width reflective; multi-position transmissive	Fixed reflective; fixed transmissive
Memory	512 MB Flash; 256 MB SDRAM	512 MB Flash; 256 MB SDRAM	4 MB Flash; 8 MB SDRAM
Ribbon Length	984 in./300 m; 243 in./74 m	984 in./300 m; 243 in./74 m	243 in./74 m
Connectivity			
USB Host	Standard	Standard	None
USB	Standard	Standard	Standard
Serial (RS232)	Field-installable option	Field-installable option	Standard
Parallel	None	None	Standard
Ethernet	Factory or field-installable option	Factory or field-installable option	Factory option
Wireless	Factory or field-installable 802.11ac Wi-Fi and Bluetooth 4.1 (dual radio) Bluetooth Low Energy 5 is provided for use with Zebra printer setup mobile app only	Factory option: Dual radio module with 802.11ac and Bluetooth 4.1; Bluetooth Low Energy is also available on models with factory- installed Ethernet	None

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Feature Comparison: ZD421 vs. ZD420 and GK420

Features	ZD421	ZD420	GK420
			
Options and Media Handling			
Label Dispenser (peeler)	Field-installable option	Field-installable option	Factory option
Cutter	Field-installable option	Field-installable option	None
Battery and Carrying Case	Yes	Yes	None
Printer Language and Software			
Operating System and Software	Print DNA powered by Link-OS	Print DNA powered by Link-OS	ZebraLink
Print Language	EPL and ZPL, emulations with Virtual Devices	EPL and ZPL, emulations with Virtual Devices	EPL and ZPL
Printer Security	PrintSecure	PrintSecure	None

*Available in thermal transfer and thermal transfer healthcare models.