



Zebra Product Comparison • Desktop Printer Product Line

	GK420d	GK420t	GT800 ¹	ZD420 Cartridge	ZD420t	GX420d	GX420t	ZD500R	ZD620t
Product Description	Four-Inch (4 in.) Direct Thermal Desktop Printer	Four-Inch (4 in.) Thermal Transfer Desktop Printer	Four-Inch (4 in.) Thermal Transfer Desktop Printer	Four-Inch (4 in.) Thermal Transfer Ribbon Cartridge Desktop Printer	Four-Inch (4 in.) Thermal Transfer Desktop Printer	Four-Inch (4 in.) Direct Thermal Desktop Printer	Four-Inch (4 in.) Thermal Transfer Desktop Printer	Four-Inch (4 in.) UHF RFID Thermal Transfer Desktop Printer ²	Four-Inch (4 in.) Thermal Transfer Desktop Printer
Print Specifications									
Maximum Print Speed	5 ips	5 ips	5 ips	6 ips	6 ips	6 ips	6 ips	6 ips	8 ips
Standard Print Resolution	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi
Maximum Print Width	4.09 in./104 mm	4.09 in./104 mm	4.09 in./104 mm	4.09 in./104 mm	4.09 in./104 mm	4.09 in./104 mm	4.09 in./104 mm	4.09 in./104 mm	4.09 in./104 mm
Standard Features									
Memory (RAM/Flash)	8 MB/4 MB	8 MB/8 MB	8 MB/8 MB	256 MB/512 MB	256 MB/512 MB	8 MB/4 MB	8 MB/4 MB	128 MB/256 MB	256 MB/512 MB
Programming Language	EPL/ZPL Coresident	EPL/ZPL Coresident	EPL/ZPL Coresident	EPL/ZPL Coresident	EPL/ZPL Coresident	EPL/ZPL Coresident	EPL/ZPL Coresident	ZPL	EPL/ZPL Coresident
Communications Interface(s)	Auto-Sensing Serial, Centronics Parallel and USB v1.1	Auto-Sensing Serial, Centronics Parallel and USB v1.1	Auto-Sensing Serial, Centronics Parallel and USB v1.1	USB v2.0, Bluetooth Low Energy, USB Host	USB v2.0, USB Host	Auto-Sensing Serial, Centronics Parallel and USB v1.1	Auto-Sensing Serial, Centronics Parallel and USB v1.1	Auto-Sensing Serial, Centronics Parallel, Ethernet and USB v2.0	USB v2.0, Bluetooth Low Energy, USB Host, Serial, Ethernet
Unicode Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Link-OS[®] Enabled	No	No	No	Yes	Yes	No	No	Yes	Yes
Standard User Interface	One button, one status LED	One button, one status LED	One button, one status LED	Three buttons, five icons	Three buttons, five icons	One button, one status LED	One button, one status LED	Three buttons, LCD	Three buttons, five icons
Standard Sensor	Fixed Reflective and Transmissive	Fixed Reflective and Transmissive	Full Width Reflective and Multi-position Transmissive	Full Width Reflective and Multi-position Transmissive	Full Width Reflective and Multi-position Transmissive	Fixed Reflective and Transmissive	Fixed Reflective and Transmissive	Full Width Reflective and Multi-position Transmissive	Full Width Reflective and Multi-position Transmissive
Supplies Characteristics									
Maximum Media Width	4.25 in./108 mm	4.25 in./108 mm	4.49 in./114 mm	4.65 in./118 mm	4.65 in./118 mm	4.25 in./108 mm	4.25 in./108 mm	4.25 in./108 mm	4.65 in./118 mm
Label Length (non-continuous)	39 in./991 mm	39 in./991 mm	39 in./991 mm	39 in./991 mm	39 in./991 mm	39 in./991 mm	39 in./991 mm	39 in./991 mm	39 in./991 mm
Media Thickness	0.003 in./0.08 mm to 0.0075 in./0.19 mm	0.003 in./0.08 mm to 0.0075 in./0.19 mm	0.003 in./0.08 mm to 0.007 in./0.18 mm	0.003 in./0.08 mm to 0.0075 in./0.19 mm	0.003 in./0.08 mm to 0.0075 in./0.19 mm	0.003 in./0.08 mm to 0.0075 in./0.19 mm	0.003 in./0.08 mm to 0.0075 in./0.19 mm	0.003 in./0.08 mm to 0.012 in./0.305 mm	0.003 in./0.08 mm to 0.0075 in./0.19 mm
Maximum Media Roll Size (OD)	5 in./127 mm	5 in./127 mm	5 in./127 mm	5 in./127 mm	5 in./127 mm	5 in./127 mm	5 in./127 mm	5 in./127 mm	5 in./127 mm
Maximum Ribbon Width	NA	4.3 in./110 mm	4.3 in./110 mm	4 in. ribbon cartridge	4.3 in./110 mm	NA	4.3 in./110 mm	4.3 in./110 mm	4.3 in./110 mm
Maximum Ribbon Length	NA	244 ft./74 m	984 ft./300 m	244 ft./74 m	984 ft./300 m; 244 ft./74 m	NA	244 ft./74 m	244 ft./74 m	984 ft./300 m; 244 ft./74 m
Physical Characteristics									
Dimensions	8.25 in. D x 6.75 in. W x 6.0 in. H 210 mm D x 171 mm W x 152 mm H	10.0 in. D x 7.6 in. W x 7.5 in. H 254 mm D x 193 mm W x 191 mm H	10.75 in. D x 7.75 in. W x 7.25 in. H 273 mm D x 197 mm W x 184 mm H	10.0 in. D x 8.0 in. W x 7.0 in. H 254 mm D x 202 mm W x 177 mm H	10.5 in. D x 8.0 in. W x 7.5 in. H 267 mm D x 202 mm W x 192 mm H	8.25 in. D x 6.75 in. W x 6.0 in. H 210 mm D x 171 mm W x 152 mm H	10.0 in. D x 7.6 in. W x 7.5 in. H 254 mm D x 193 mm W x 191 mm H	10.0 in. D x 7.6 in. W x 7.5 in. H 254 mm D x 193 mm W x 191 mm H	10.5 in. D x 8.0 in. W x 7.5 in. H 267 mm D x 202 mm W x 192 mm H
Weight	3.0 lb./1.4 kg	4.6 lb./2.1 kg	5.8 lb./2.63 kg	5.0 lb./2.3 kg	5.3 lb./2.4 kg	3.0 lb./1.4 kg	4.6 lb./2.1 kg	4.6 lb./2.1 kg	5.5 lb./2.5 kg
Available Feature Options									
Communication Interfaces									
Bluetooth	No	No	No	Yes ³ : Bluetooth v4.1	Yes ³ : Bluetooth v4.1	Yes ³ : Bluetooth v2.0	Yes ³ : Bluetooth v2.0	Yes ³ : Bluetooth v3.0	Yes ³ : Bluetooth v4.1
Internal Ethernet	Yes ³	Yes ³	Yes ³	Yes ⁹	Yes ⁹ (Factory-installed Ethernet includes Bluetooth Low Energy)	Yes ³	Yes ³	Standard	Standard
Wireless LAN	No	No	No	Yes ^{3,7}	Yes ^{3,7}	Yes ^{3,5}	Yes ^{3,5}	Yes ^{3,6}	Yes ^{3,7}
Serial	Standard	Standard	Standard	Yes ⁹	Yes ⁹	Standard	Standard	Standard	Standard
Media Handling									
Cutter	No	No	Yes ³	Yes ⁹	Yes ⁹	Yes ³	Yes ³	Yes ³	Yes ²
Dispenser	Yes ³	Yes ³	Yes ³	Yes ⁹	Yes ⁹	Yes ³	Yes ³	Yes ³	Yes ³
Media Core Adaptor	No	No	No	Yes	Yes	No	No	No	Yes
Other									
Optional Print Resolution	No	No	300 dpi ^{3,4}	300 dpi ^{4,9}	300 dpi ⁹	No	No	300 dpi ^{3,4}	300 dpi ^{9,10}
Movable Media Sensor	No	No	Standard	Standard	Standard	Optional Full Width Reflective and Multi-position Transmissive	Full Width Reflective and Multi-position Transmissive	Standard	Standard
LCD	No	No	No	No	No	Yes	Yes	Standard	Yes
Extended Memory	No	No	No	No	No	Yes ⁸	Yes ⁸	No	No
Font Packs	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Healthcare Model	Yes	No	No	Yes	No	No	No	No	No
ZKDU Keyboard Display Unit for Stand Alone Printing Applications	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

¹GT800 is not available in North America ²Non-RFID model is also available ³Factory install only ⁴Maximum print speed at 300 dpi is 4 ips ⁵802.11 b/g ⁶802.11 a/b/g/n ⁷802.11 ac ⁸64MB Flash with Real Time Clock ⁹Field upgradeable ¹⁰Maximum print speed at 300 dpi is 6 ips



Zebra Product Comparison • Desktop Printer Product Line - continued

	GC420d	GC420t	ZD410	TLP 2824 Plus	HC100
Product Description	Four-Inch (4 in.) Direct Thermal Desktop Printer	Four-Inch (4 in.) Thermal Transfer Desktop Printer	Two-Inch (2 in.) Direct Thermal Desktop Printer	Two-Inch (2 in.) Thermal Transfer Desktop Printer	Direct Thermal Wristband Cartridge Printer
Print Specifications					
Maximum Print Speed	4 ips	4 ips	6 ips	4 ips	4 ips
Standard Print Resolution	203 dpi	203 dpi	203 dpi	203 dpi	300 dpi
Maximum Print Width	4.09 in./104 mm	4.09 in./104 mm	2.2 in./56 mm	2.2 in./56 mm	1.187 in./30 mm
Standard Features					
Memory (RAM/Flash)	8 MB/8 MB	8 MB/8 MB	256 MB/512 MB	8 MB/4 MB	16 MB/8 MB
Programming Language	EPL/ZPL Coresident	EPL/ZPL Coresident	EPL/ZPL Coresident	EPL/ZPL Coresident	ZPL
Communications Interface(s)	Serial, Centronics Parallel and USB v1.1	Auto-Sensing Serial, Centronics Parallel and USB v1.1	USB v2.0, USB Host, Bluetooth Low Energy	Auto-Sensing Serial and USB v1.1	Auto-Sensing Serial and USB v1.1
Unicode Compliant	Yes	Yes	Yes	Yes	Yes
Link-OS® Enabled	No	No	Yes	No	No
Standard User Interface	One button, one status LED	One button, one status LED	Three button, five status icons	One button, one status LED	Three buttons, one status LED
Standard Sensor	Fixed Reflective and Transmissive	Fixed Reflective and Transmissive	Full Width Reflective and Multi-position Transmissive	Fixed Reflective and Transmissive	NA
Supplies Characteristics					
Maximum Media Width	4.25 in./108 mm	4.25 in./108 mm	2.36 in./60 mm	2.36 in./60 mm	1.187 in./30 mm
Label Length (non-continuous)	39 in./991 mm	39 in./991 mm	39 in./991 mm	39 in./991 mm	39 in./991 mm
Media Thickness	0.003 in./0.08 mm to 0.007 in./0.18 mm	0.003 in./0.08 mm to 0.007 in./0.18 mm	0.003 in./0.08 mm to 0.012 in./0.305 mm	0.003 in./0.08 mm to 0.007 in./0.18 mm	NA
Maximum Media Roll Size (OD)	5 in./127 mm	5 in./127 mm	5 in./127 mm	5 in./127 mm	Wristband Cartridge
Maximum Ribbon Width	NA	4.3 in./110 mm	NA	2.4 in./58 mm	NA
Maximum Ribbon Length	NA	244 ft./74 m	NA	244 ft./74 m	NA
Physical Characteristics					
Dimensions	8.2 in. D x 7.9 in. W x 6.7 in. H 208 mm D x 201 mm W x 170 mm H	9.4 in. D x 7.9 in. W x 6.8 in. H 239 mm D x 201 mm W x 173 mm H	8.6 in. D x 4.5 in. W x 6.0 in. H 220 mm D x 115 mm W x 151 mm H	9.5 in. D x 5.3 in. W x 7.0 in. H 241 mm D x 135 mm W x 178 mm H	9.5 in. D x 5.0 in. W x 7.0 in. H 242 mm D x 127 mm W x 178 mm H
Weight	3.0 lb./1.4 kg	3.2 lb./1.5 kg	2.2 lb./1.0 kg	3.5 lb./1.6 kg	3.1 lb./1.4 kg
Available Feature Options					
Communication Interfaces					
Bluetooth	No	No	Yes ² : Bluetooth v4.1	No	No
Internal Ethernet	No	No	Yes	Yes ²	Yes ²
Wireless LAN	No	No	Yes ^{2,5}	No	Yes ^{2,3}
Serial	Standard	Standard	Yes ⁷	Standard	Standard
Media Handling					
Cutter	No	No	Yes ⁷	Yes ²	No
Dispenser	Yes ²	Yes ²	Yes ⁷	Yes ²	No
Media Core Adaptor	No	No	No	Yes	NA
Other					
Optional Print Resolution	No	No	300 dpi ^{1,2}	No	No
Movable Media Sensor	No	No	Standard	No	No
LCD	No	No	No	No	No
Extended Memory	No	No	No	Yes ⁶	Yes
Font Packs	Yes	Yes	Yes	Yes	Yes
Healthcare Model	No	No	Yes	No	Standard
ZKDU Keyboard Display Unit for Stand Alone Printing Applications	Yes	Yes	Yes	Yes	Yes

¹Maximum print speed at 300 dpi is 4 ips ²Factory install only ³802.11 b/g ⁴802.11 a/b/g/n ⁵802.11 ac ⁶64MB Flash with Real Time Clock ⁷Field upgradeable



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