



Zebra Product Comparison • Desktop Printer Product Line

	VALUE		ADVANCED				PERFORMANCE				COMPACT		WRISTBAND	
	GC420d	GC420t	GK420d	GK420t	GT800	ZD420	GX420d	GX420t	GX430t	ZD500	ZD410	TLP 2824 Plus	HC100	
														
Product Description	Four-Inch (4 in.) Direct Thermal 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.) Thermal Transfer Desktop Printer	Four-Inch (4 in.) Thermal Transfer Ribbon Cartridge Desktop Printer	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 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	5 ips	5 ips	5 ips	6 ips	6 ips	6 ips	4 ips	6 ips	6 ips	4 ips	4 ips	
Standard Print Resolution	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	300 dpi	203 dpi	203 dpi	203 dpi	300 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	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	8 MB/4 MB	8 MB/4 MB	8 MB/8 MB	256 MB/512 MB	8 MB/4 MB	8 MB/4 MB	8 MB/4 MB	128 MB/256 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	EPL/ZPL Coresident	EPL/ZPL Coresident	EPL/ZPL Coresident	EPL/ZPL Coresident	EPL/ZPL Coresident	ZPL	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	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	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	Auto-Sensing Serial, Centronics Parallel, Ethernet and USB v2.0	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	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Link-OS Enabled	No	No	No	No	No	Yes	No	No	No	Yes	Yes	No	No	
Standard User Interface	One button, one status LED	One button, one status LED	One button, one status LED	One button, one status LED	One button, one status LED	Three buttons, five icons	One button, one status LED	One button, one status LED	One button, one status LED	One button, one status LED	Three buttons, LCD	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	Fixed Reflective and Transmissive	Fixed Reflective and Transmissive	Full Width Reflective and Multi-position Transmissive	Full Width Reflective and Multi-position Transmissive	Fixed Reflective and Transmissive	Fixed Reflective and Transmissive	Fixed Reflective and Transmissive	Full Width Reflective and Multi-position 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	4.25 in./108 mm	4.25 in./108 mm	4.49 in./114 mm	4.65 in./118 mm	4.25 in./108 mm	4.25 in./108 mm	4.25 in./108 mm	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	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 0.007 in./0.18 mm	0.003 in./0.08 mm to 0.007 in./0.18 mm	0.003 in./0.08 mm to 0.0075 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./0.09 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 0.012 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	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	Wristband Cartridge	
Maximum Ribbon Width	NA	4.3 in./110 mm	NA	4.3 in./110 mm	4.3 in./110 mm	4 in. ribbon cartridge	NA	4.3 in./110 mm	4.3 in./110 mm	4.3 in./110 mm	4.3 in./110 mm	NA	NA	
Maximum Ribbon Length	NA	244 ft./74 M	NA	244 ft./74 M	984 ft./300 M	244 ft./74 M	NA	244 ft./74 M	244 ft./74 M	244 ft./74 M	244 ft./74 M	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	8.25 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	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	10.0 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	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	3.0 lb./1.4 kg	4.6 lb./2.1 kg	5.8 lb./2.63 kg	5.0 lb./2.3 kg	3.0 lb./1.4 kg	4.6 lb./2.1 kg	4.6 lb./2.1 kg	4.6 lb./2.1 kg	4.6 lb./2.1 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	No	No	No	Yes ² : Bluetooth v4.1	Yes ² : Bluetooth v2.0	Yes ² : Bluetooth v2.0	Yes ² : Bluetooth v2.0	Yes ² : Bluetooth v3.0	Yes ² : Bluetooth v4.1	No	No	
Internal Ethernet	No	No	Yes ²	Yes ²	Yes ²	Yes ⁷	Yes ²	Yes ²	Yes ²	Standard	Yes	Yes ²	Yes ²	
Wireless LAN	No	No	No	No	No	Yes ^{2,5}	Yes ^{2,3}	Yes ^{2,3}	Yes ^{2,3}	Yes ^{2,4}	Yes ^{2,5}	No	Yes ^{2,3}	
Serial	Standard	Standard	Standard	Standard	Standard	Yes ⁷	Standard	Standard	Standard	Standard	Yes ⁷	Standard	Standard	
Media Handling														
Cutter	No	No	No	No	Yes ²	Yes ⁷	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	No	
Dispenser	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ⁷	Yes ²	Yes ²	Yes ²	Yes ²	Yes ⁷	Yes ²	No	
Narrow Media Adaptor Guide	No	No	No	No	No	Yes	No	No	No	No	No	Yes	NA	
Other														
Optional Print Resolution	No	No	No	No	300 dpi ^{1,2}	300 dpi ^{1,7}	No	No	No	300 dpi ^{1,2}	300 dpi ^{1,2}	No	No	
Optional Movable Media Sensor	No	No	No	No	No	No	Full Width Reflective and Multi-position Transmissive	Full Width Reflective and Multi-position Transmissive	Full Width Reflective and Multi-position Transmissive	No	No	No	No	
LCD	No	No	No	No	No	No	Yes	Yes	Yes	Standard	No	No	No	
Extended Memory	No	No	No	No	No	No	Yes ⁶	Yes ⁶	Yes ⁶	No	No	Yes ⁶	Yes	
Font Packs	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Healthcare Model	No	No	Yes	Yes	No	Yes	No	No	No	No	Yes	No	Standard	
ZKDU Keyboard Display Unit for Stand Alone Printing Applications	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	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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