

ZD420 Specifications


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

PHYSICAL CHARACTERISTICS

	ZD420d	ZD420t
Length	8.69 in./220.8 mm	10.5 in./267 mm
Width	6.98 in./177.5 mm	8.0 in./202 mm
Height	5.93 in./150.7 mm	7.5 in./192 mm
Weight	3.6 lb/1.6 kg	5.3 lb/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), 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.
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)

MEDIA AND RIBBON CHARACTERISTICS (CONT.)

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

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; 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
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
Mounting Plate	Optional accessory to secure ZD Series printers to countertops or shelves.
Enclosed Power Supply	Attached power supply accessory for cord-free installation

FONTS/GRAPHICS/SYMBOLOLOGIES

Bar Code Ratios	2:1 and 3:1
1D Bar Codes	Code 11, Code 39, Code 93, Code 128, ISBT-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 for multi-language, on demand thermal printing China units include SimSun simplified Chinese font 64 MB user available non-volatile memory, 8 MB user available SDRAM

PRINTER SUPPLIES

For industry-leading quality, service and thermal printing expertise, choose Zebra Certified Supplies to ensure consistent, optimized performance for your Zebra printer.

The ZD420 is ideal in:

Light Manufacturing

- Agency labels/nameplates
- Product labels
- Apparel tags
- Work-in-Process (WIP)
- Inventory labels
- Agency labels
- Shipping labels

Transportation & Logistics

- Asset labels
- Shipping labels
- Receiving labels
- Packing slips

Healthcare

- Prescriptions
- Lab and specimen labels
- Patient ID wristbands
- Asset labels
- Blood and IV bag labels
- Patient record labels

Retail

- Return tags
- Asset labels
- Shelf labels
- Price markdowns
- Information labels

Government

- Asset labels
- Record labels

Services

- Service reminder labels
- Ticketing
- Purchase transactions