

## ZD510 WRISTBAND PRINTING



Wristbands play a critical role in your healthcare facility. Staff and patients count on wristbands to provide the instant positive identification required to prevent medical errors. You need dependable and fast wristband printing, durable wristbands and consistently scannable barcodes — and with the ZD510-HC, you get it all. The ZD510-HC Wristband Printing solution combines the reliable ZD510-HC direct thermal printer with easy-to-load cartridges containing the only antimicrobial-coated wristbands on the market — Zebra's Z-Band® wristbands. Your IT department will find ZD510-HC printers easy to integrate, manage and secure, thanks to Zebra's Link-OS® operating system and Zebra's powerful Print DNA suite of applications, utilities and developer tools. Increase staff productivity and patient safety with the industry's easiest to use and most dependable wristband printing solution — the ZD510-HC.

Rating: Not Rated Yet

[Ask a question about this product](#)

### Description

#### Standard Features

- Quick and easy wristband cartridge loading
- Automatic print speed setting-up to 4 ips depending on installed cartridge
- Direct thermal printing of barcodes, text and graphics
- Dual-wall frame, impact-resistant plastic
- ZPL® or ZPL II® programming language
- 512 MB Flash memory
- 256 MB SDRAM memory
- Element Energy Equalizer™ (E3™) for superior print quality
- Connectivity: USB Host, USB, Ethernet, Bluetooth Low Energy
- Odometer for print-length tracking
- Illuminated media low/media out indicator
- Tool-less printhead and platen replacement
- Unicode™-compliant for multi-language printing
- Instant media calibration — no wasted media
- Head-up sensor
- XML-enabled printing — allows XML communications from information systems
- ENERGY STAR® qualified
- Link-OS
- Real Time Clock

#### Dimensions

- 5 in. W x 7 in. H\* x 9.5 in. D  
127 mm W x 178 mm H\* x 242 mm D

•Requires 6 in./153 mm clearance above printer to load cartridge

**Printer Specifications**

Maximum Print Length: 22 in./558 mm

Minimum Print Length: 3 in./76 mm

Print Widths: 0.75 in./19.05 mm, 1 in./25.4 mm, 1.1875 in./30.16 mm

Resolution : 300 dpi/12 dots per mm

Maximum Print Speed:

Healthcare: 2 in./51 mm per second

Z-Band Fun and Z-Band Splash: 4 in./102 mm per second

**Fonts And Graphics**

- Character fonts: Standard bitmapped Zebra fonts: A, B, C, D, E (OCR-B), F, G, H (OCR-A), GS, P, Q, R, S, T, U, V & Ø Smooth font (CG Triumvirate™ Bold Condensed)
- Supports user-defined fonts and graphics — including custom logos
- Bitmap fonts are expandable up to 10 times, height- and width-independent. Fonts E and H (OCR-B and OCR-A), however, are not considered in spec when expanded
- Smooth-scalable font Ø (CG Triumvirate Bold Condensed) is expandable dot-by-dot, height-and width-independent, while maintaining edges to a max. 1500 x 1500 dots

**Environmental (Printer)**

<b>Operating Temperature</b>	40° F to 104° F 4.4° C to 40° C
<b>Storage Temperature</b>	-40° F to 140° F -40° C to 60° C
<b>Operating Humidity</b>	20%-85% non-condensing R.H.
<b>Storage Humidity</b>	5%-85% non-condensing R.H.

**Agency Approvals**

<b>Emissions</b>	FCC Part 15, Subpart B, VCCI, RCM
<b>Emissions and Susceptibility</b>	(CE): EN 55032:2012 class B and EN 55024:2010, EN 61000-3-2, EN 61000-3-3, CISPR 32:2015
<b>Safety</b>	CB Scheme IEC 60950-1 and IEC 62368-1, TÜV, NRTL
<b>Power Supply</b>	IEC 60601-1:2012

**Fonts And Graphics**

- Character fonts: Standard bitmapped Zebra fonts: A, B, C, D, E (OCR-B), F, G, H (OCR-A), GS, P, Q, R, S, T, U, V & Ø Smooth font (CG Triumvirate™ Bold Condensed)
- Supports user-defined fonts and graphics — including custom logos
- Bitmap fonts are expandable up to 10 times, height- and width-independent. Fonts E and H (OCR-B and OCR-A), however, are not considered in spec when expanded
- Smooth-scalable font Ø (CG Triumvirate Bold Condensed) is expandable dot-by-dot, height-and width-independent, while maintaining

edges to a max. 1500 x 1500 dots