The Zebra® ZT410 printer, with proprietary Digi-Trax™ firmware, is a critical component of our HemaTrax® ISBT 128 blood bank labeling system.

The printer is the latest in a series of Zebra models that incorporates advancements in print speed, print quality and connectivity options such as standard USB, serial, Ethernet and Bluetooth capabilities.

Constructed using an all metal frame and bi-fold door, this printer fits well in small spaces.

Featuring Zebra's Link-OS™ environment, an innovative operating system, it integrates seamlessly with HemaTrax to print clear, legible and durable ISBT 128 labels for all your blood bank processes. Our label adhesive conforms to FDA CFR 21, Sec. 175.105, and FDA CFR 21, Sec. 177.172 for the label facestock.

Digi-Trax™ offers the Zebra ZT410 at a competitive price along with complete technical support, repair services and operator training. Look to us for all of your ISBT 128 blood bank labeling needs.
Specifications at a glance
Zebra ZT series

**Printer Name**
- ZT410
- ZT420

**RFID**
- Integrated RFID system is user-upgradable in the field.
- Prints and encodes tags with a minimum pitch of 0.65"/16 mm
- Supports tags compatible with UHF EPC Gen 2 V1.2/ISO 18000-6C
- Compliant with Global RFID radio to support multinational deployments
- Automatically eliminate complex RFID placement guidelines with adaptive encoding technology
- Variable inlay placement supports a range of inlay positions for maximum media flexibility
- Track performance with RFID job-monitoring tools
- Support for industry-standard multi-vendor chip-based serialization (MCS)
- Supports block prepositioning of user memory compatible with AIA Spec 2000
- Integrated ThingMagic® RFID reader/encoder

**Standard Features**
- Print Methods: Thermal transfer and direct thermal
- Construction: Metal frame and bi-fold metal media cover with enlarged clear viewing window
- Sibe-loading supplies path for simplified media and ribbon loading
- Element Energy Equalizer™ (EE™) for superior print quality
- Communications: USB 2.0, high-speed, RS-232 Serial, 10/100 Ethernet, Bluetooth 2.1 UHS Host
- Backlit, multihue graphic LCD display with intuitive menu and easy-to-use keypad for quick operation
- Bi-colored status LEDs for quick printer status
- ENERGY STAR® qualified

**Printer Specifications**
- **Resolution**
  - 300 dpi/9 dots per mm
  - 600 dpi/24 dots per mm (optional for ZT410 only)
- **Memory**
  - 256 MB RAM memory (4 MB user available)
  - 512 MB Flash memory (64 MB user available)
- **Maximum Print Width**
  - 4.09”/104 mm (ZT410)
  - 6.69”/169 mm (ZT420)
- **Maximum Print Speed**
  - 14 ips/356 mm per second (ZT410)
  - 12 ips/305 mm per second (ZT420)

**Media Sensors**
- Dual media sensors: transmissive and reflective

**Media Characteristics**
- Media web width label and liner:
  - ZT410
    - 1.00”/25.4 mm to 4.5”/114 mm: tear/tear
    - 1.00”/25.4 mm to 4.25”/108 mm: peel/tear
  - ZT420
    - 2.00”/51 mm to 7.0”/178 mm: tear/cutter
    - 2.00”/51 mm to 6.25”/171 mm: peel/tear
- Maximum continuous label length: 39’9991 mm

**Print Length**
- 203 dpi: 15”/381mm
- 300 dpi: 21”/533.4mm
- 600 dpi: 35”/889.1mm

**Maximum Media Roll Size**
- 6.0”/152mm OD on a 3.75”/96mm ID core

**Media Thickness**
- 0.0023”/0.058 mm to 0.010”/0.25 mm

**Media Types**
- Continuous, die-cut, notch, backmark

**Ribbons**
- **Thermal Transfer (ribbon option only)**
  - **Outside Diameter**
    - 460 m: 3.3”/81.3 mm OD on a 1.02”/26.4 mm ID core
  - **Standard Length**
    - 1476’/440 m
  - **Width**
    - 2.00”/51 mm to 4.33”/110 mm
  - **Ribbon Setup**
    - Ribbon wound inside out; ribbon wound inside out can be used with the optional ribbon spindle

**Operating Characteristics**

**Environmental**
- Operating Environment:
  - Thermal transfer: 40° to 104°F/5°C to 40°C
  - Thermal direct: 32° to 104°F/0°C to 40°C
  - 20% to 80% non-condensing RH
- Storage/Transportation Environment:
  - -40° to 140°F/-40°C to 60°C
  - 5% to 95% non-condensing RH

**Electrical**
- Auto-detectable (PFC Compliant) 100-240VAC, 50/60Hz, rated at 1000 Watts
- ENERGY STAR® qualified

**Agency Approvals**
- IEC 60950, EN 55022 Class B, EN 55024, EN 61000-3-2, EN 61000-3-3
- cTUVus, CE Marking, FCC-B, ICES-003, VCCI, c-UL, NOM, S-MARK (Arg), CCC, C-Tick, BSMI, KCC, SABS, INMETRO

**Barcode Symbologies**

**Fonts and Graphics**
- 16 resident expandable ZPL II bitmap and two resident scalable ZPL fonts
- Asian and other international scalable and smooth bitmapped fonts
- Unicode: For multi-language printing
- downloadable objects include graphics, scalable and bitmap fonts, label templates and formats
- IBM Code Page 850 international character sets are available in the fonts A, B, C, D, E, F, G and 0 through software control
- Code Page 1250, 1252, 1251, 1254, 1256, 1258: Support with font 0

**Options and Accessories**
- **Communication**
  - Parallel (B-directional interface)
  - Wireless: ZebraNet® Printer Server — supports 802.11 a/b/g networks via an internally integrated option that enables the use of WebView and Alert features

**Media Handling**
- Rewind: Internally rewinds a full roll of printed labels on 3” core, or peel and rewind liner (Factory-installed only)
- Peel: Front mount, passive peel option