Zebra ZT600 Series RFID Industrial Printers/Encoders

Get unparalleled visibility and control with Link-OS®

At Zebra, we believe printers should be as intuitive, user-friendly and integrated as the smartphones and other devices that keep us connected outside of work. With intuitive Print DNA software, powered by Link-OS®, they are. This unique software platform gives you unprecedented, real-time visibility and control of your printing systems, on-site or remotely, with cloud-accessible applications that simplify everything from setup to management to troubleshooting.

Expand your view with industry-leading tracking technology

It only takes five minutes to upgrade the ZT610 and ZT620 to RFID encoding in the field. Once RFID-enabled, these printers are engineered to accurately and efficiently print and encode labels for today's most advanced item-level tracking applications. Adaptive encoding enables media flexibility and simple RFID calibration, eliminating complex placement guides. An intuitive menu further reduces setup time. And Zebra's RFID technology is certified on six continents, providing operational visibility and business insight across complex, multinational supply chains.

Get 24/7 reliability, even in the harshest environments

Built to deliver outstanding print quality under the most challenging industrial conditions, ZT600 Series printers virtually eliminate operational downtime due to printer failure. Their durable, all-metal designs hold up against extreme temperatures, dust, debris, moisture and worse. Guided instructions and feedback eliminate common errors and reduce manual adjustments for highly consistent printing. And high-quality print mechanisms and internal components deliver superior print quality and speed across the widest range of applications. A field-installable, full-width, guillotine-style cutter with catch tray is ideal for apparel tag applications.

Reduce RFID Media Costs

Tags are spaced incredibly close together, with a distance (pitch) of 0.6'/16 mm or narrower on most RFID inlays—smaller than what other printer/encoders can accommodate. By spacing inlays closer, label converters use less material, which reduces your cost per label, requires fewer media roll changes and gives you faster printer/encoder throughput.

Customize your configuration with flexible connectivity

System setup, integration and updates are a snap with virtually every modern connectivity option. Standard connectivity includes Serial, USB, Gb Ethernet, USB Host and Bluetooth® with optional Parallel, 802.11a/c, Applicator Port, IPv6 and BTLE capabilities. You also get two open media slots for non-standard connectivity options, design failover connections and provisioning for future protocols.

Increase your efficiency with a user-friendly design

Every detail of the ZT600 Series was designed to put time back in your day. Immediately see status at a glance on the intuitive LCD interface or optional 4.3-inch full-color touch display. You can also quickly navigate printer settings with the user friendly icon menu system to change languages, printer settings, connectivity options and more—right from the display. Color-illuminated media and ribbon paths streamline routine maintenance. Adjustable media width and pressure toggles easily accommodate more applications. And onboard sensors, diagnostics and help resources empower you to manage issues without having to call in support.

ZT600 Series – The Industrial Brawn and Next-Gen Brains to Meet Every Challenge Head-On.

For more information about ZT600 Series Industrial Printers, visit www.zebra.com/zt600r or access our global contact directory at www.zebra.com/contact
### ZT600 Series Specifications

#### RFID
- Supports tags compatible with UHF EPC Gen 2 V2, ISO/IEC 18000-63 andRAIN RFID protocols.
- Integrated RFID system is user-upgradeable in the field and available on both 4" and 8" models.
- Adaptive Encoding Technology automatically selects optimum encode settings.
- Supportstrademarked anti-vendor, chip-based serialization.
- Supports block permutation of user memory compatible with ATA Spec 2000.
- Allows users to track performance with RFID job-monitoring tools.

#### Standard Features
- Print Methods: Thermal transfer and direct thermal printing.
- Construction: Metal frame and bi-fold metal media cover with enlarged clear viewing window.
- Side-loading supplies path for simplified media and ribbon loading.
- Thin film printhead with E² Energy® Equalizer for superior print quality.
- Communications: USB 2.0, high-speed, RS-232 Serial, Gigabit Ethernet,Bluetooth 4.0.
- Highly visible color display that turns red when the printer is in an error state allows operators to determine printer status from a distance.
- Simplified on-screen navigation system categorizes settings into logical groups of functions.

#### Printer Specifications
- **Resolution**
  - 203 dpi/8 dots per mm
  - 300 dpi/12 dots per mm (optional)
  - 600 dpi/24 dots per mm (optional for ZT610 only)
- **Memory**
  - 1 GB RAM memory
  - 2 GB on-board linear Flash memory
- **Maximum Print Width**
  - ZT610: 4.09"/104 mm
  - ZT620: 6.6/168 mm
- **Maximum Print Speed**
  - ZT610: 14 ips/356 mm per second
  - ZT620: 12 ips/305 mm per second
- **Media Sensors**
  - Dual media sensors: transmissive and reflective
- **Maximum Continuous Print Length**
  - ZT610:
    - 100"/2540 mm
  - ZT620:
    - 150"/3810 mm
- **Media Characteristics**
  - Media Width
    - ZT610
      - 1.00"/25.4 mm to 4.57/119 mm tear/cutter
      - 1.00"/25.4 mm to 4.25/108 mm peel/rewind
  - ZT620
    - 2.00"/51 mm to 7.00/178 mm tear/cutter
    - 2.00"/51 mm to 6.75/171 mm peel/rewind
- **Maximum Media Roll Size**
  - 8.07/203 mm O.D. on a 1.00/25.4 mm I.D. core
- **Thickness**
  - 0.0023/0.058 mm to 0.010/0.25 mm
- **Media Types**
  - Continuous, die-cut, notch, black-mark
- **Ribbon Characteristics**
  - (Thermal-transfer option only)
- **Standard Length**
  - 1476/375 m
- **Width**
  - ZT610: 2.00/51 mm to 4.33/110 mm
  - ZT620: 2.00/51 mm to 6.85/174 mm
- **Core**
  - 1.00/25.4 mm I.D.
- **Operating Characteristics**
  - **Operating Temperature**
    - Thermal transfer = 40°F to 104°F/4°C to 40°C
    - Direct thermal = 32°F to 104°F/0°C to 40°C
  - Operating Humidity: 20% to 85% non-condensing
  - Storage/Transportation Temperature: -22°F to 104°F/-30°C to 60°C
  - Storage Humidity: 10% to 85% non-condensing
- **Electrical**
  - Auto-detectable (PFC Compliant) 90-265 VAC, 47-63Hz, rated at 250 Watts
  - ENERGY STAR qualified

#### Physical Characteristics

<table>
<thead>
<tr>
<th></th>
<th>ZT610 closed</th>
<th>ZT620 closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>19.88/505 mm</td>
<td>19.88/505 mm</td>
</tr>
<tr>
<td>Width</td>
<td>10.56/268.2 mm</td>
<td>13.44/341.45 mm</td>
</tr>
<tr>
<td>Height</td>
<td>15.58/395.68 mm</td>
<td>15.58/395.68 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>50 lbs/22.7 kg</td>
<td>57.4 lbs/26.8 kg</td>
</tr>
</tbody>
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#### Software Tools
- **Link-OS Solutions**
- **Document Design**
- **Device Integration**
- **Device Management**
- **Developer Tools**
- **Web View**
- **Alert**
- **Firmware**
  - ZEBRA 2.0™
  - ZPL and ZPLII™
- **XML-enabled Printing**
- **barcode Symbologies**
- **Fonts and Graphics**
  - 16 resident scalable 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, 1253, 1254, 1255 Support with font 0
  - 32 MB user available DRAM
  - 512 MB user available on-board Flash

#### Options and Accessories
- **Connectivity**
  - Two open communication slots to add internal cards for RS232, parallel,
  - Ethernet, and applicator interface.
- **Media Handling**
  - Rewind: Internally rewinds a full roll of printed labels on 3" core, or peel and
  - rewinds liner
  - Cutter: Front-mount guillotine cutter and catch tray
  - P.T.O. Core media supply hanger
  - Link-side in ribbon supply spindle

#### ZT600 Series RFID Industrial Printers

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**Additional Information**

- **Agency Approvals**
  - IEC 60950, EN 55022 Class B, EN 55024, EN 61000-3-2, EN 6000-3-3
  - cTUVus, CE Marking, FCC-B, IECES-003, VCCI, C-Tick, NOM, S-Mark (Aig), CCC, CEC, CB, KCC, SABS, In-Metro

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