RFID Industrial/Commercial Printer/Encoders

The RZ400™ and RZ600™ printer/encoders bring UHF RFID capabilities to Zebra’s popular Z Series® platform and set the new standard as the price-performance leaders in meeting the needs of today’s global RFID tagging compliance initiatives. These metal printer/encoders offer EPC Gen 2 support, high-speed print throughput, and rugged reliability to enhance productivity in tough environments and lower duty cycle applications.

Better Connected for a Connected World

The RZ series RFID printer/encoders connect easily with most warehouse/manufacturing and business applications. The RZ400 and RZ600 are better connected to your network—through USB 2.0, 802.11b/g secure wireless, or Ethernet. They’re better connected to your applications—with multiple RFID power settings to adjust to current and future RFID protocols, transponder designs and sizes; choice of print resolution including 300 dpi; and XML-Enabled printing as a standard feature. And they’re better connected to your needs—with easy setup via a large, easy-to-read front panel that includes Asian-language support; easy loading of supplies; and easy maintenance with quick-changing printheads and platens.

The industrial/commercial RZ400 (for 4-inch smart labels) and the RZ600 (for 6-inch smart labels) have been designed for case- and pallet-level identification for companies needing to streamline logistics, supply chain management and business improvement applications including:

- Asset Tracking
- Inventory Management
- Work in Process
- Shipping/Receiving
- Distribution
Specifications at a Glance

**STANDARD FEATURES**
- Integrated UHF Reader/Encoder
- EPIC Gen 2/ISO 18000-6C
- Full range of RFID power settings
- RFID processes optimized for fastest label throughput
- RFID counters keep track of the good and unusable labels

Variable RFID power settings for both read and write allow maximum flexibility for printing small labels
- 32 bit 133 MHz RISC processor
- Zebra printer driver for Windows® 3.3 and 95/98/NT/2000/XP/2003 operating systems

Advanced label/media counters
- Print methods: Thermal transfer or direct thermal
- Construction: Die-cast aluminum base, frame and printhead mechanism

Metal media cover with large clear window
Element Energy Equalizer™ (E3™) for superior print quality
- Auto-calibration
- Real-time clock
- Auto-ranging (90-265 V) power supply

**PRINTER SPECIFICATIONS**
- Resolution: 203 dpi/8 dots per mm; 300 dpi/12 dots per mm; 600 dpi/24 dots per mm (RZ400 only)
- Standard: 8 MB Flash, 16 MB DRAM
- Optional: Factory Installed 64 MB Flash
- Print Width: RZ400: 4.09'/104 mm
- RZ600: 6.63'/168 mm
- Print Length: RZ400: with 203 dpi: 157'/4,798 mm; with 300 dpi: 73'/2,215 mm; with 600 dpi: 45'/1,384 mm
- Print Speed: 203 dpi: 140'/3,500 mm per second; 300 dpi: 89'/2,250 mm per second; 600 dpi: 45'/1,384 mm per second
- Media Sensors: Fixed reflective sensor
- Adjustable transmissive sensor

**MEDIA CHARACTERISTICS**
- Maximum label and liner length: RZ400: 45'/1,144 mm; RZ600: 7.0'/178 mm
- Maximum roll diameter: 8.0'/203 mm
- Core diameter: 3'/76 mm
- Media thickness: 0.0023'/0.058 mm to 0.010'/0.25 mm
- Media types: Continuous, die-cut, tags, black-mark

**RIBBON CHARACTERISTICS**
- Outside diameter: 3.2'/81.3 mm
- Standard length: 904'/275 m or 1476'/450 m
- Ratio: 3:1 media roll to ribbon.
- Ribbon must be at least as wide as media

**OPERATING CHARACTERISTICS**
- Operating temperature: 32°F/0°C to 104°F/40°C (Direct Thermal)
  40°F/-4°C to 104°F/40°C (Thermal Transfer)
- Storage temperature: -40°F/-40°C to 140°F/60°C
- Operating humidity: 20-85% non-condensing
- Storage humidity: 5-85% non-condensing

**PHYSICAL CHARACTERISTICS**
- Width: 10.9'/278 mm
- Height: 13.3'/338 mm
- Depth: 18.7'/475 mm
- Weight: 32.4 lbs/15 kg
- Shipping weight: 49 lbs/22 kg

**ZEBRALINK™ SOLUTIONS**
- Software:
  - ZebraDesigner™ Pro
  - ZebraDesigner for XML
  - ZebraLabel Design Software
  - ZebraNet™ Bridge Enterprise
  - ZebraNet Utilities v 7.0
  - Zebra Universal Driver
  - ZBI-Developer™
- Additional scalable and bitmapped fonts available

**NETWORKING/CONNECTIVITY**
- ZebraNet® Internal Wireless Plus
- ZebraNet Wireless Plus
- ZebraNet 10/100 Print Server
- RS-232C serial port

**FIRMWARE**
- ZPL II™
- XML-Enabled Printing

**MEDIA CHARACTERISTICS**
- Code Bar Symbologies
  - 7 bitmapped, 1 smooth scalable
  - Native open type font support

**GLOBAL PRINTING—Unicode™ compliant**
- Contains UFST® from Monotype Imaging Inc.

**GRAPHIC FEATURES**
- Supports user-defined fonts and graphics—including custom logos
- ZPL II drawing commands—for boxes and lines

**OPTIONS AND ACCESSORIES**
- Cutter with catch tray

**OTHER LOCATIONS**
- USA California, Georgia, Rhode Island, Texas, Wisconsin
- EUROPE France, Germany, Italy, Netherlands, Poland, Spain, Sweden
- ASIA-PACIFIC Australia, China, Japan, South Korea
- LATIN AMERICA Florida (USA), Mexico
- AFRICA/MIDDLE EAST India, Russia, South Africa, United Arab Emirates