

UHF | RAIN - Desktop Printers Zebra - ZD621R/ZD611R

- High-speed, high-quality printing
- Comprehensive connectivity options
- Remote printer management
- Wide media & label compatibility
- Security against cyberattacks



UHF | RAIN - Desktop Printer Zebra RFID: More Transformation

You need a compact, premium RFID printer/encoder that's built to perform flawlessly – day in and day out. Rely on Zebra's 4-inch ZD621R desktop RAIN/RFID printer/encoder, or the ZD611R, the industry's only 2-inch desktop RAIN RFID printer/encoder. Get it all: an innovative architecture to power our ever-expanding printer capabilities and software. Unmatched security to safeguard your sensitive data and shield you from cyberattacks. A large 4.3 in., full-color LCD touch display with intuitive menu. Enhanced features, communication and field-installable media-handling options, and increased remote-management capabilities. Together, these give you outstanding print performance and industry-leading reliability, along with unparalleled intelligence and security, to keep you moving forward.

Building on the legacy of the ZD500R, the 4-inch ZD621R features an innovative architecture that is nearly 32% more powerful. Expanding the desktop RFID line, the ZD611R shares that architecture and is the industry's only 2-inch desktop RAIN RFID printer/encoder. Both the ZD621R and ZD611R can perform more operations simultaneously, deliver best-practice security and are engineered to evolve with emerging technology.

The ZD621R and ZD611R utilize Zebra's own RE40 RFID module to support a number of applications across several industries. Adaptive encoding technology allows for excellent media flexibility and simple RFID calibration, eliminating complex placement guidelines. Optimized to efficiently print and encode labels, tags and wristbands, they give you greater tracking abilities, deeper visibility and enterprise insights in an ever-competitive business environment.

Common Applications

- In-store tagging
- Retail pharmacy totes
- Expiration date tracking
- Food safety recall management
- Medical equipment tracking



TECHNICAL SPECIFICATIONS

RFID Features

Supports tags compatible with UHF EPC Gen 2 V2.1, ISO/IEC 18000-63 and RAIN RFID protocols
Prints and encodes tags with a minimum pitch of 0.6"/16 mm
Adaptive Encoding Technology simplifies RFID setup and eliminates complex RFID placement guidelines
RFID job monitoring tools track RFID performance
Globally certified in more than 70 countries for RFID to support multinational deployments
RFID log records all RFID data with timestamps, ensuring complete traceability
RFID ZPL commands provide computability with existing Zebra printers
Support for industry-standard, multi-vendor chip-based serialization (MCS)
Integrated Zebra RE40 RFID Reader/Encoder

Standard Features

Print methods: Thermal Transfer or Direct Thermal
ZPL and EPL programming languages
4.3 in. full color touch LCD (resolution: 480 wide x 272 high) with 3-button user interface
Ethernet, USB 2.0, USB Host
Printer setup mobile app for Android and iOS via BLE (Bluetooth Low Energy 5) connection*
Media dancer for excellent print quality ²
OpenACCESS™ for easy media loading
Dual-wall frame construction
ENERGY STAR™ certified

Physical Characteristics

Dimensions	ZD621R: 10.5 in. L x 8.0 in. W x 7.5 in. H 267 mm L x 202 mm W x 192 mm H
	ZD611R: 9.56 in. L x 5.46 in. W x 6.66 in. H 242.9 mm L x 138.7 mm W x 169.2 mm H
Weight	ZD621R: 5.5 lb./2.5 kg ZD611R: 3.59 lb./1.629 kg

Printer Specifications

Operating System	Link-OS
Resolution	203 dpi/8 dots per mm 300 dpi/12 dots per mm (optional)
Memory	512 MB Flash; 256 MB SDRAM
Maximum Print Width	ZD621R: 4.09 in./104 mm for 203 dpi; 4.27 in./108 mm for 300 dpi ZD611R: 2.2 in./56 mm for 203 dpi; 2.13 in./54 mm for 300 dpi
Maximum Print Speed	8 in./203 mm per second (203 dpi) 6 in./152 mm per second (300 dpi)
Media Sensors	IPv4, IPv6 Full width, moveable reflective/ black mark sensor; multi-position transmissive/gap sensor
Firmware	ZPL II; EPL 2; XML; ZBI; PDF Direct

Media and Ribbon Characteristics

Label Length	Minimum: 0.25 in./6.35 mm Maximum: 39.0 in./991 mm
Media Width	ZD621R: 0.585 in./15 mm to 4.65 in./118 mm ZD611R: 0.585 in./15 mm to 2.36 in./60 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	0.0024 in./0.06 mm min.; 0.0075 in./0.1905 mm max. (tear-off mode only)
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; 243 ft./74 m
Ribbon Ratio	1:4 ribbon to media (300 m) 1:1 ribbon to media (74 m)
Ribbon Width	ZD621R: 1.3 in./33 mm - 4.3 in./109.2 mm ZD611R: 1.3 in./33 mm - 2.24 in./58 mm
Ribbon Core I.D.	1 in./25.4 mm (300 m) 0.5 in./12.7 mm (74 m)

Printers Supplies

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

TECHNICAL SPECIFICATIONS

Operating Characteristics

Operating System	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 certified; Energy Efficiency Level VI certified; optional 2750 mAh battery; Healthcare models include IEC60601-1 certified power supply

Regulatory

<p>Environment</p> <ul style="list-style-type: none"> • RoHS Directive 2011/65/EU; Amendment 2015/863 • REACH SVHC 1907/2006 <p>For a complete list of product and materials compliance, please visit www.zebra.com/environment</p>
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Regulatory

<p>IEC 60950-1, IEC 62368-1, EN55022 Class B, EN55024, EN55035, EN61000-3-2, EN61000-3-3, FCC Class B, ICES-003, FCC 15.209; 15.247(d), IC RSS 247, EN 300 328, EN 301 893, EN 62311, cTUVus CE Marking, VCCI, C-Tick, S-Mark, CCC, CU, BSMI, KCC, SABS, IN-Metro, BIS, NOM</p>

Part No. / Model

	Zebra - ZD621R
	Zebra - ZD611R