

ZD621R PRINTER

irys[™]

Integrated Barcode
Printer + RFID Writer



Premium features, maximum performance, RFID capabilities and unmatched security

You need a compact and a premium RFID printer/encoder that's built to perform flawlessly - day in and day out. Rely on our 4-inch ZD621R 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 & shield you from cyberattacks. The printer has a large 4.3 - inch, full-color LCD touch display with an 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 & security, to keep you moving forward.



The ZD621R – Premium print quality, features, RFID capabilities and reliability for today & tomorrow.

SPECIFICATIONS

RFID FEATURES

Supports tags compatible with UHF EPC Gen 2 V2, 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 printers
Support for industry-standard, multi-vendor chip-based serialization (MCS)
Integrated RE40 RFID Reader/Encoder

STANDARD FEATURES

Print methods: Thermal Transfer
ZPL and EPL programming languages
4.3" 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 & iOS via BLE (Bluetooth Low Energy 5) connection* <small>* BLE is intended for use with Zebra printer setup mobile app only</small>
Real Time Clock (RTC)
Media dancer for excellent print quality
OpenACCESS™ for easy media loading
Dual-wall frame construction
ENERGY STAR® certified
PDF Direct
Two-year standard warranty

PHYSICAL CHARACTERISTICS

Dimensions	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
Weight	5.5 lb./2.5 kg

PRINTER SPECIFICATIONS

Operating system	Link-OS® printer operating system
Resolution	203 dpi/8 dots per mm 300 dpi/12 dots per mm (optional)
Memory	512 MB Flash; 256MB DDR3 SDRAM
Maximum Print Width	4.09 in./104 mm for 203 dpi; 4.16 in./105 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	Full width, moveable reflective/ black mark sensor; multi-position transmissive/ gap sensor
Firmware	ZPL II; EPL 2; XML; ZBI; PDF Direct

OPERATING CHARACTERISTICS

Operating Temp.	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

OPTIONS AND ACCESSORIES

Media Handling	Dispenser/Peeler: label peel and present with label present sensor (factory installed or field installable) Cutter (factory or field installable)
Communications	Field installable RS-232 auto - sensing serial, factory installed or field installable wireless dual radio - 802.11ac Wi-Fi and Bluetooth Classic 4.2
Battery	Provides power to the printer to support a full shift of printing at maximum print speed; supports all media handling options

Real Time Clock	Real time clock included as standard on network connected models
Keyboard Display Unit	ZKDU keyboard display unit for stand- alone printing solution

MEDIA & RIBBON CHARACTERISTICS

Label Length	Maximum: 39.0 in./991 mm Minimum: 0.25 in./6.35 mm
Media Width	ZD621R: 0.585 in./15 mm to 4.65 in./118 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, & wristbands
Ribbon Outside Diameter	2.6 in./66 mm (300 m); 1.34 in./34 mm (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
Ribbon Core I.D.	300 meter ribbon 1 in./25.4 mm 74 meter ribbon 0.5 in./12.7 mm

FONTS/GRAPHICS/SYMBOLOLOGIES

Barcode Ratios	2:1 and 3:1
1D Barcodes	Code 11, Code 39, Code 93, Code 128, ISBT-128, UPC-A, UPC-E, EAN-8, EAN-13, UPC and EAN 2-or 5-digit extensions, Plessey, Postnet, Standard 2-of-5, Industrial 2-of-5, Interleaved 2-of-5, Logmars, MSI, Codabar and Planet Code
2D Barcodes	Codablock, PDF417, Code 49, DataMatrix, MaxiCode, QR Code, MicroPDF, Aztec
Fonts and Graphics	16 resident expandable ZPL II bitmap fonts, two resident scalable ZPL fonts, five resident expandable EPL2 fonts, native open-type font support, Unicode compliant. China units include SimSun simplified Chinese font 64 MB user available non-volatile memory, 8 MB user available SDRAM

PRINTER SUPPLIES

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

REGULATORY

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

ENVIRONMENTAL COMPLIANCE

Environment

- RoHS Directive 2011/65/EU; Amendment 2015/863
- REACH SVHC 1907/2006

INCLUDED IN THE BOX

Printer empty ribbon take-up cores: ZD611R 0.5 in.; ZD621R 1 in. and 0.5 in., AC power supply, power cord(s), USB cable, Quick Start Guide, Regulatory Guide