

RLe SERIES

Rugged Portable Label Printers

Honeywell Datamax-O'Neil built its reputation on rugged and reliable portable receipt printers.

Our design expertise is now reflected in the RLe Series of rugged portable label printers.

The RL3e (79 mm/3 in) and RL4e (105 mm/4 in) direct thermal printers are durable, can-do devices. They feature a rugged design and reliable performance that will continue to operate long after other printers have failed. In fact, we're so confident in the quality and long-term reliability of these printers that we include a two-year warranty free of charge. That's double what the competition offers.

Anybody who's ever worked in a warehouse knows that when shipments are processed quickly and effectively, productivity is increased and errors are reduced. The RLe Series improves efficiency and productivity by allowing workers to print and apply barcode labels directly at the point of application. Using the RLe Series to print on-demand labels also eliminates the danger of mixing up batch-printed labels and can lead to big savings by avoiding shipping errors. The printers can even be mounted on forklifts for added convenience and versatility.

We've made integration easy. Replace existing printers using built-in language emulations. The RLe Series is compatible with most popular warehouse management software programs, independent label-design programs, and remote management packages.



The portable RLe Series is built to keep pace in the busiest distribution centers, warehouses, supply chains, and logistics environments.

FEATURES AND BENEFITS



The RLe Series continues to print after 26 consecutive drops to concrete from 1.8 m (6 ft), even in extreme temperature conditions.



Includes popular language emulations that allow you to easily replace existing printers in the workplace.



The lithium-ion battery offers maximum power capacity for an eight-hour shift, even under the toughest conditions.



Change paper rolls with one hand. Speed label application with an intuitive LCD screen and a peel-and-present mechanism.



Co-engineered media supplies ensure optimum, trouble-free performance and guarantee the highest print quality and image stability.

Honeywell

RLe Series Technical Specifications

MECHANICAL

Dimensions (H x W x D):

RL3e: 193 mm x 142 mm x 81 mm
(7.6 in x 5.6 in x 3.2 in)

RL4e: 200 mm x 166 mm x 81 mm
(7.9 in x 6.5 in x 3.2 in)

Weight (Printer Only):

RL3e: 0.88 kg (1.95 lb)

RL4e: 0.98 kg (2.16 lb)

Drop Specifications: 1.8 m (6 ft)

IP Rating: IP54 (when used with the protective case)

User Interface: 128 x 64 LCD display with white LED backlighting, four-button user interface

ENVIRONMENTAL

Operating Temperature: -20°C to 50°C
(4°F to 122°F)

Storage Temperature: -40°C to 60°C
(40°F to 140°F)

Charging Temperature: 5°C to 40°C (41°F to 104°F)

Relative Humidity Range: 10% to 90%, non-condensing

ESD Protection: 8 kV Air; 4 kV Contact

PRINT TECHNOLOGY

Printhead: Direct thermal; 8 dots per mm (203 dots per in)

Print Width:

RL3e: 72 mm (2.8 in)

RL4e: 105 mm (4.125 in)

Print Mechanism Speed: 102 mm per second (4 in per second)

Speed rating under normal optimal operating conditions. Performance may vary based on temperature of operating environment and label file density.

POWER SOURCE

Battery: 14.8V Lithium-ion, 33 W-h (2200 mAh)

DC Inputs: External DC jack, 11–15V, built-in spike and surge protection with battery management

Recharging: 4–6 hours

Endurance:

RL4e: Prints more than 320, 100 mm x 150 mm (4 in x 6 in) labels when operating 16 continuous hours on an 802.11 network

RL3e: Prints more than 850, 76 mm x 152 mm (3 in x 1 in) labels when operating for 28 consecutive hours on an 802.11 network

Memory: 64 MB RAM/128 MB Flash

COMMUNICATION

Serial: RS-232, up to 460.8 Kbps

USB: 2.0 (full speed)

Bluetooth®: Bluetooth 2.1 dual radio mode; serial port profile, security modes 1–4, encryption 1–3e

802.11 a/b/g/n Option:

Network standard: IEEE 802.11 a/b/g/n and Bluetooth with dual radio mode

Wireless access modes: infrastructure and ad-hoc

Security Protocols:

DETAILS	WEP	WPA	WPA2
MODES	PSK/Enterprise		
SECURITY/ ENCRYPTION	64/128	TKIP/RC4	CCMP/AES
AUTHENTICATION	LEAP, EAP-PEAP, EAP-FAST, EAP-TTLS, EAP-LEAP, IPV4		

Internet Protocols Supported: UDP/TCP, DHCP BootP, FTP, FTPS, SFTP, TFTP, Telnet, LDP, SNMP; remote and Auto Update features supported; 802.11i

MEDIA

For optimum print quality and printer performance, use certified Honeywell media.

Media Width:

RL3e: 26 mm to 79 mm (1 in to 3.125 in)

RL4e: 51 mm to 105 mm (2 in to 4.12 in)

Media Type: Lined and linerless* labels with black mark or gap sensing; external fanfold or roll supply

Maximum Roll Capacity: 67 mm (2.65 in) O.D.; 19 mm (0.75 in) I.D. core

Media Thickness: 2 mil to 6.5 mil

** For use in RLe Series printers equipped with linerless option only.*

AGENCY APPROVAL

Contact your Honeywell sales representative for the most recent list of agency approvals.

FCC 15 Class B, EN55022 Class B, EN55024, IEC 60950-1 2nd Edition, EAC—Customs Union, CCC, SRRC

Safety: UL/cUL, CE

BARCODES/FONTS/GRAPHICS

Scalable Fonts: CG Triumvirate Bold Condensed, CG Triumvirate, and CG Times with Cyrillic, Greek, Arabic, and Hebrew character support from Monotype Imaging

Standard Fonts: 5.5CPI, 7.2CPI, 10.2CPI, 10.7CPI, 18.5CPI, 20.4CPI, 22.6CPI, 34.0CPI, OCR-A, OCR-B (additional fonts available)

Downloadable Font Types: TrueType, Bitmap

Character Sets: Unicode/UTF8 support: 50 international symbol sets, Big 5, JIS and Shift JIS, and more

Optional Characters: Arabic, Greek, Hebrew, Unicode subset including Latin; Asian (including Big 5, Simplified Chinese, Kanji, Hangul, and Shift JIS); additional international characters available

Barcodes:

Linear: Codabar, Code 3 of 9, Code 93, Code 128, EAN-8, EAN13, Interleaved 2 of 5, HIBC, PLESSEY, MSI/Plessey, UCC/EAN-128, UPC-A, UPC-E, UPC 2 and 5 digit addendums, Postnet, Telepen, UPS MaxiCode, FIM, USD-8

2D Symbolologies: PDF417, Aztec, QR Code, GS1, Datamatrix, TLC39, MicroPDF417

Graphics: Supports storage of graphics/logos in Flash memory and transient “print once” graphics

SOFTWARE/FIRMWARE

NETira™ Configuration Tool: complete printer set-up utility

NETira MS: Menu Scripting

NETira CA: NETira Connect for AirWatch Control Language Compatibility: Ez-Print, DPL, ZPL II, CPCL, IPL, XML (limited)

Device Management Compatibility: NETira

Remote Management: monitor and manage printers; NETira MD: mobile device management utility for smart mobile devices; AirWatch® Mobile Device Management; Wavelink® Avalanche MC

Network Compatibility: TCP-IP based networks; AS/400 (LPD) based networks

Drivers: Microsoft® Windows® XP, Windows Vista, Windows 7, and Windows 8

NETira LD: Label Design Software

Label-Design Software Compatibility: BarTender®, Niceware/NiceLabel, and others

ERP Systems Compatibility: SAP, Oracle

Software Development Kit: Android™ 2.1 and above, Apple® iOS 5, 6, and 7; Microsoft Windows Desktop up to Windows 8, Windows 8 Store, Windows Mobile, and Windows CE; C++, C-Sharp, Java, ActiveX Control

OPTIONS

AirWatch support

Lua and JSON scripting language

ACCESSORIES

Charge contacts

Cigarette lighter vehicle charger

Configurable multi-bay charger

Dual-battery charger

IP54 environmental case

Linerless single-bay charger for use with external multi-unit charging adaptor

RLe Series Technical Specifications

WARRANTY

Standard Warranty: Covers platen roller, printhead, and installed options when used with approved supplies

Printer: 2 years

Extended Warranty: Contact your Honeywell sales representative for extended warranty options available through Honeywell Repair Services.

For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance.

For a complete listing of all supported barcode symbologies, please visit www.honeywellaidc.com/symbologies.

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For more information

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THE
FUTURE
IS
WHAT
WE
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