Portable Label Printer ■ ■ ■

Datamax-O'Neil built its reputation on rugged and reliable portable receipt printers and has now used this expertise to design the industry's most rugged portable label printer. The RL4 is a durable 4-inch (102mm) direct thermal printer with a rugged design and reliable performance that will continue to operate long after other printers have failed. We're so confident in the quality and long term reliability of these printers that we include a 2-year warranty free of charge. That's double what the competition offers.

Anybody who's ever been in a warehouse knows that when shipments are processed more quickly and effectively, productivity is increased and errors are reduced. The RL4 improves efficiency and productivity by allowing workers to print and apply barcode labels directly at the point of application. Using an RL4 to print on-demand labels also eliminates the danger of mixing up batch printed labels and saving thousands of dollars in potential shipping errors. The printer can even be mounted on fork trucks for added convenience and versatility.

We've made integration easy. Replace existing printers using Datamax-O'Neil's language emulations. The RL4 is compatible with most popular warehouse management software programs, independent label design programs and remote management packages.

features at a glance ■ ■ ■

- **Rugged and Reliable** - With uncompromising standards, the RL4 endures even the most punishing environments, and passes the MIL-STD 810F drop testing requirements. The RL4 is so rugged it continues to print after 26 consecutive drops to concrete from 6ft (1.8m) even when tested at extreme temperature conditions.

- **Complete Line of Accessories** - The versatile RL4 comes with a wide selection of charging and mounting accessories that allow it to be worn on the hip, mounted in a truck or even mounted and powered from a forklift operating system.

- **Easy to Integrate** - The RL4 comes with popular language emulations that allow you to easily replace existing printers in the workplace. The printer is also compatible with most popular WMS packages and offers optional wireless 802.11 and Bluetooth connectivity.

- **Great Battery Power** – The long lasting lithium-ion battery offers maximum power capacity for a full 8-hour shift, even under the toughest conditions.

- **Easy to Use** – Nobody likes to change the paper roll, but we've made it so easy you can do it with one hand. We've also included an easy to read LCD screen with simple user interface buttons and a peel-and-present mechanism for quicker label application.

- **Complete Line of Media & Supplies** – Our Certified Label Supply Program ensures optimum, trouble-free performance from the RL4 and guarantees the highest quality print output and image stability.

- **Two Year Warranty** – Comes with the industry's only two-year standard warranty – twice that of the competition!

popular applications ■ ■ ■

Logistics and Distribution
- Inventory Labels
- Content ID Labels
- Receiving and Location Labels
- Shipping Labels

Manufacturing
- Work in Process Labels
- Receiving and Location Labels
- Content ID Labels
- Shipping Labels

Parcel
- Shipping Labels
- Cross Docking Labels
- Bin Labeling
- Stop Location Label

Cold Storage
- Receiving and Location Labels
- Content ID Labels
- Shipping Labels

your benefits ■ ■ ■

Increase Efficiency & Reduce Errors - In many warehouses, workers travel to and from a central location to pick up "batch printed" labels. While this method works, it also creates wasted movement and potential labeling errors. The RL4 eliminates the danger of "label mix up" by printing labels at the point of application. And, since workers aren't wasting time traveling to a central location, warehouse operations are far more efficient and productive.

Increase Productivity - The RL4 is built to keep pace in a busy warehouse. Labels print quickly and accurately every time, even in cold environments. Downtime is reduced thanks to a large media roll capacity and a battery that stays charged for a full shift.

Enjoy Higher ROI - In today's tough economic times, you can't afford to buy printers that fail. The RL4 comes with Datamax-O'Neil's legendary reliability and is backed by the industry's only standard two-year warranty.

? Did you know?
Using quality labels and paper can significantly prolong the life of your printhead. Datamax-O'Neil offers a wide variety of high quality media for its printers including custom and stock labels and receipts, ticketing media, and cleaning products. When you choose Datamax-O'Neil, you receive a proven commitment to superior quality. Quality that results in performance and compatibility... Guaranteed.

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right by our customers.

physical characteristics ■ ■ ■

- Dimensions:
  - 6.52" w x 7.87" h x 3.18" d
    (166 x 200 x 81 mm)
- Weight (printer only):
  - 2.16 lbs. (0.98 kg)
- Drop specifications:
  - 6 ft. (1.8 m)
- User interface:
  - 128x64 LCD display with white LED backlighting
  - Four (4) button user interface

user environment ■ ■ ■

- Operating temperature:
  -4° to 122°F (-20° to 50°C)
- Storage temperatures:
  -40° to 140°F (-40° to 60°C)
- Charging temperatures:
  41° to 104°F (5° to 40°C)
- Relative humidity range:
  10% RH to 90% RH non-condensing
- ESD protection:
  8kV Air/ 6kV Contact

print technology ■ ■ ■

- Printhead:
  - Direct thermal
  - 203 dots per inch (8 dots per mm)
- Print width:
  - 4.125" (105 mm)
- Print mechanism speed:
  - 4" per second (102 mm per second)

memory ■ ■ ■

- 16 MB RAM / 64 MB Flash

media ■ ■ ■

- Media type:
  - 3" – 4.125" (76 mm – 105 mm) linered and
    linerless labels with black mark or gap sensing
  - External fanfold or roll supply
- Maximum roll capacity:
  - 2.65" (67 mm) O.D.
  - 0.75" (19 mm) I.D. core
- Media thickness:
  - 2 mil to 6.5 mil
- For optimum print quality and printer performance,
  use Certified Datamax-O'Neil supplies.

warranty ■ ■ ■

- 2 years (including platen roller, printhead
  and installed options) when used with
  approved supplies
- Contact sales representative for extended
  warranty options

Looking for a desktop label printer?

Datamax-O'Neil manufactures an extensive
  selection of desktop label printers that are
ideal for manufacturing, warehouse, healthcare,
ticketing, postal services and labeling
requirements. Competitive custom
and standard media products are also
available for all your label, receipt
and ticketing needs.

communication ■ ■ ■

- Serial:
  - RS232, up to 460.8 kbps
- USB:
  - 2.0 (full speed)
- Bluetooth:
  - Supported versions: Class 2, v2.0
  - Serial port profile
- 802.11 a/b/g:
  - Network standard: IEEE 802.11 a/b/g
  - Wireless access modes: Infrastructure and ad-hoc
  - Security Protocols:

	WPA	WPA2
Modes	PSK/Enterprise	
Security/ Encryption	TKIP/RC4	CCMP/AES
Authentication	LEAP, EAP-PEAP, EAP-FASY, EAP-TTLS, EAP-LEAP, WEP	

  - Network support: DHCP, TCP, UDP, DNS, BOOTP

barcodes/fonts/graphics ■ ■ ■

- Standard fonts:
  - 5.5CPI, 7.2CPI, 10.2 CPI, 10.7CPI, 18.5CPI
    20.4CPI, 22.6CPI & 34.0CPI (additional fonts
    available)
  - Scalable Fonts: CG Triumvirate™ Bold
    Condensed, CG Triumvirate & CG Times with
    Cryillic, Greek Arabic and Hebrew character
    support from AGFA Monotype Imaging
- Downloadable font types:
  - True Type, Bitmap
- Character Sets:
  - Unicode/UTF8 support; 50 international
    symbol sets, Big 5, JIS and Shift JIS and more
- Optional characters:
  - Arabic, Greek, Hebrew, OCR-A, OCR-B,
    Unicode subset including Latin & Thai
  - 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 Symbologies: PDF417, Aztec, QR Code,
    GS1, Datamatrix, TLC39, MicroPDF417
- Graphics:
  - Supports storage of graphics/logos in Flash
    memory and transient "print once" graphic

software ■ ■ ■

- NETira Configuration Tool - complete printer
  set-up utility
- Emulation:
  - DPL, ZPL II®, CPCL, IPL™, XML, EZ print
- Device management compatibility:
  - Remote Management Software (RMS),
    Wavelink Avalanche MC, Motorola MSP 3.0
    and later
- Drivers:
  - Windows CE and Desktop, USB, AS/400 LPD
    protocol
- Label design software compatibility:
  - BarTender®, Niceware/NiceLabel and others
- ERP Systems:
  - SAP, Oracle
- Software development kit:
  - C++, Visual Basic

power source ■ ■ ■

- Battery:
  - 14.4V Lithium-ion (Li-ion), 2200 mAh
- DC inputs:
  - External DC jack, 11-15V, built-in spike and
    surge protection
  - External charge contacts, 11-15V, built-in
    spike and surge protection
- Recharging: 4 - 6 hours
- Endurance: 16 hours with 500 labels in an
  802.11 environments

accessories ■ ■ ■

Included with each RL4 printer: (1) battery and
(1) swivel belt clip

- Recommended accessories:
  - AC Power Adapter
  - Cigarette Lighter Adapter
  - Cleaning Cards: Use of cleaning cards is
    recommended to extend the life of the printhead
    (visit www.datamax-oneil.com/supplies for more
    information)
- Optional accessories:
  - Forklift Mounting System
  - 48-60V. Power Adapter - To be used with Forklift
    or Vehicle Mounting Systems
  - Fuse Box Power Cable Kit
  - 2-Bay Battery Charger
  - Spare Li-Ion Battery
  - Vehicle Mounting System - Allows the printer to
    be mounted in vehicles with supporting external
    charge contacts
  - Charging Dock
  - IP54 Soft Case
  - Hand Strap and Shoulder Strap Systems
  - Belt Loop System - Velcro loop secures the
    printer comfortably on your belt
  - USB Cable
  - Serial Cables - DB9 F cables for connecting to a
    laptop or desktop computer

options ■ ■ ■

- 802.11 a/b/g
- Bluetooth communication v2.0
- Linerless

agency approvals ■ ■ ■

- Contact sales manager for the most current
  approval list

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