

4" x 8"
(101 mm x 200 mm x 0.5 mm)



Smart Cellular Shipping Labels from Reelables

Print, ship, and track — around the world.

Introducing Reelables cellular labels, the world's first paper-thin, printable shipping label that tracks shipments on cellular and Wi-Fi networks.

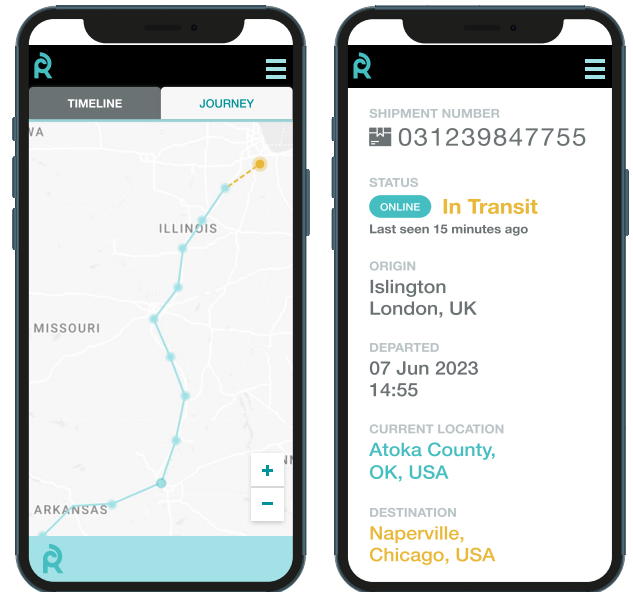
Finally, know for real where your package is and when it will arrive. Keep track of time-critical shipments in real-time to plan ahead, ensure accountability, and proactively address shipping exceptions.

It's simple. Just print on Reelables cellular labels as you would normally using thermal barcode printers. The flexible, ultra-thin electronics inside begin tracking location the moment they're printed, tapped with an NFC-enabled device, or torn in the corner. No batteries, no buttons, no special processes or extra work.

Once provisioned, the location of your shipment is tracked online with a sharable link. The label will last three weeks with 20-minute reporting, six months with once-a-day reporting, and 12 months with every-other-day reporting.

Reelables cellular labels are also disposable and recyclable on ordinary corrugated paper boxes. No return logistics required. A non-lithium battery directly coated on the label substrate means the labels are nontoxic and non-dangerous goods.

Whether you're a shipper, supplier, consignee, or logistics provider, get started today with an early adopters kit of ten labels, [available here](#).



Features

- Printable in off-the-shelf barcode printers
- Print, tap, or tear to activate
- Single use, no return logistics required
- NB-IoT/Wi-Fi/Bluetooth functionality
- Non-Lithium battery (not dangerous goods)
- Open box detection (light sensing)
- Pharma grade temp. monitoring (+/- 0.5 °C)

Key Parameters

- Active lifespan: 3 weeks, 6 months, or 1 year
- Storage shelf life: 1 year
- Transmission range – Urban: 1 km (0.5 mi)
– Rural: 5 km (3 mi)
- Accuracy (average): – Urban: +/- 25 m
– Rural: +/- 500 m
- Temperature logging: +/- 0.5 °C

Detailed specifications

Thermal Transfer (TT)

Material Construction	
Facestock	Direct thermal paper
Adhesive	Permanent acrylic
Liner	120 gsm glassine
Total thickness (± 10%)	0.56 mm
Environment	Indoor/Outdoor IP62

Temperature Performance	
Minimum application temp.	8 °C (46 °F)
Operating temp. range	-20 °C to 60 °C (-4 °F to 140 °F)

Recommended Printers and Ribbons	
Printers	Sato CLNX4, WWCLP180ZNAR
Ribbons	N/A

Adhesive Strength	
Corrugate	0.14 N·m (20 oz in)
Polycarbonate	0.39 N·m (55 oz in)
Polyethylene	0.24 N·m (34 oz in)

Chemical Resistance	
Weak chemicals	Test in application
Harsh chemicals	Not recommended

Electrical specification

- NB-IoT:
 - Release 14 Cat. NB2 IoT
 - Supported bands: 5, 8, 12, 13, 20, 28, 85
 - Sub 20 dBm EIRP transmit power
- Bluetooth
 - Bluetooth version 5.1
 - Frequency 2.402 GHz to 2.480 GHz
 - Beacon interval (active) 10 sec
- NFC/RFID
 - Passive HF NFC Provisioning
 - Passive UHF RFID Provisioning
- Wi-Fi
 - 2.4 GHz (2.4835 GHz) Location Services
- Battery coating Zinc-Manganese
- No Lithium components

Environmental

- RoHS Directive 2011/65/EU
- (EU) 2015/863 Annex II

Regulatory

- FCC ID 2A7TQRN0001B
- CE, DO-160



Current coverage

USA, UK, Canada, Mexico, China, Hong Kong, Australia, Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Malta, Netherlands, New Zealand, Norway, Portugal, Romania, S. Africa, Slovenia, Spain, Sweden, Switzerland, Taiwan

Coverage is continuously updated. Contact Reelables for the latest list.

Ordering information

PN RN0001

