



## Avery Dennison® ARC Certified NXP® UCODE® 9 RFID Label



|               |                                                                                                      |
|---------------|------------------------------------------------------------------------------------------------------|
| SKU:          | AD-Longbow-U9                                                                                        |
| Chip Type:    | NXP® UCODE® 9                                                                                        |
| Frequency:    | UHF 860-960 MHz                                                                                      |
| EPC Memory:   | 96 bits                                                                                              |
| Protocol:     | ISO/IEC 18000-63<br>EPCglobal Gen2v2.1                                                               |
| Industry:     | Retail, Apparel and Fashion, Jewelry,<br>Logistics, Industrial Applications                          |
| Applications: | Asset Tracking, Electronics,<br>Jeweleries & Sunglasses,<br>Gaming and Toys, Inventory,<br>Warehouse |

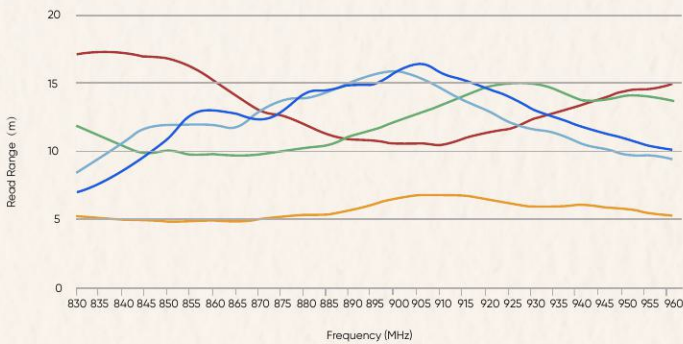


The AD Longbow U9 ARC certified RFID label is a newly introduced, narrow-format label engineered for space-constrained retail and industrial deployments worldwide. Its ultra-compact 73×10 mm footprint, combined with the NXP® UCODE® 9 chip, delivers dependable read/write performance even under challenging conditions.

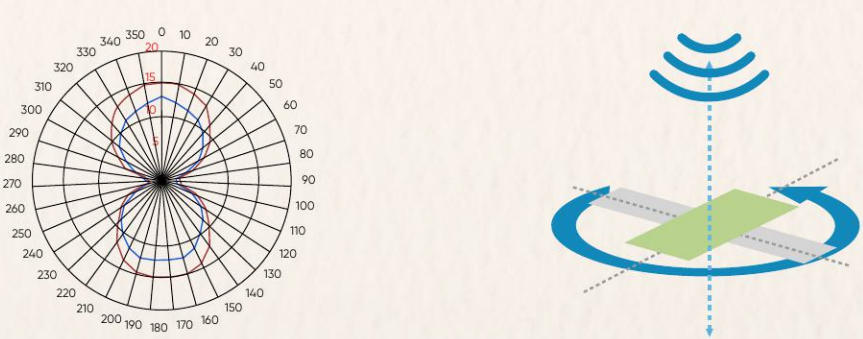
With adaptive tuning for harsh environments, the label performs especially well on difficult-to-tag or low-detuning materials such as cardboard and plastic. It also excels in demanding, close-coupled applications, ensuring reliable operation where conventional labels struggle.

Reading Performance

Reading Range Under Different Frequency



Orientation Sensitivity



Physical Information

|                       |                                                                                                                       |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------|
| Material              | Coated Paper                                                                                                          |
| Label Size            | 73×10 mm                                                                                                              |
| Operating Environment | -40°C~+85°C                                                                                                           |
| Storage Environment   | +18°C~+28°C, 40%~60% RH                                                                                               |
| ARC Specs             | F, I, L, Q, R, W5, W6, Y2, Z                                                                                          |
| Mounting Method       | Stick                                                                                                                 |
| Surface               | Paper Carton, Plastic, Wood                                                                                           |
| Handling Precautions  | 1. Do not bend.<br>2. Keep away from water and collision.<br>3. Labels with black-dot marks are bad ones, do not use. |

Technical Information

|                        |                                      |
|------------------------|--------------------------------------|
| Operating Frequency    | 860~960 MHz                          |
| Communication Protocol | ISO/IEC 18000-63, EPCglobal Gen2v2.1 |
| Chip Type              | NXP® UCODE® 9                        |
| EPC Memory             | 96 bits                              |
| Read Range             | Up to 17 m                           |
| Security Features      | 32 bit Kill/Access password          |

|                     |                  |                                             |
|---------------------|------------------|---------------------------------------------|
| Packing Information | Packing Format   | Packed in roll, vacuumed packing in ESD bag |
|                     | Roll OD          | Max. 230 mm                                 |
|                     | Core ID          | 3 inch(76.2 ± 0.50 mm)                      |
|                     | Packing Quantity | 5000 Pcs/roll, or as per request            |
|                     | Packing Weight   | 4 kg/roll                                   |

● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment.
 ● **Storage and Handling Guidelines:** Follow standard ESD-safe storage and handling procedures to maintain product integrity and avoid damage.
 ● **Product Updates and Revisions:** rfidbridge.com may change products, specs, or services at any time without prior notice.
 ● **General Use Disclaimer:** Products are for general-purpose use and not intended for safety-critical or life-support applications.
 ● **Legal Notice:** Information is believed accurate but may change. rfidbridge.com is not liable for use-related issues or outcomes.