

# AY-U900

## UHF Integrated Long-Range Reader



The AY-U900 is an RFID Long-Range Proximity Card Reader that is compatible with multiple protocols and can read multiple tag formats. The reader is suitable for outdoor use in a wide range of RFID applications, such as transport management, vehicle management, car parking, production process control, and access control.

### GENERAL DESCRIPTION

The AY-U900 is the solution for security situations that require a long-range proximity reader. The reader is both easy to install and easy to use.

### MAIN FEATURES

- Read range up to 39.4 ft (12 m) (adjustable) \*
- Read Sensitivity: Dual polarization read mode

### PROFESSIONAL GRADE FEATURES

- Wiegand 26-Bit (Custom: Wiegand 34-Bit)
- Comes with an installation bracket kit and RS-232 cable
- Suitable for outdoor use (IP-54)
- Maximum Cable Distance: 500 ft (150 m)

# SPECIFICATIONS

## ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	9 to 12 VDC (2 A)
■ Input Current	Standby: 0.2 A max, Read: 1.2 A max
■ Card Read Distance	Up to 39.4 ft (12 m) (adjustable) * Read range was tested with Rosslare's LT-UVS-26A-3000 card
■ Transmission Protocol	Wiegand 26-Bit (Custom: Wiegand 34-Bit)
■ Maximum Cable Distance	500 ft (150 m)
■ Frequency	AY-U900US: 902–928 MHz (America) AY-U900C: 920–925 MHz (China) AY-U900EU: 865–868 MHz (Europe)
■ Read Sensitivity	Dual polarization read mode
■ Tags	Rosslare's LT-UVS-26A-3000 and LT-UVH-26A-7000 ISO18000-6B Tags EPC GEN2 (ISO18000-6C) Tags

## ENVIRONMENTAL SPECIFICATIONS

■ Operating Environment	-4°F to 176°F (-20°C to 80°C)
■ Operating Temperature	-40°F to 257°F (-40°C to 125°C)
■ Operating Humidity	0 to 95% (non-condensing) Suitable for outdoor use (IP54)

## PHYSICAL SPECIFICATIONS

■ Dimensions	17.52 x 17.52 x 2.64 in. (44.5 x 44.5 x 6.7 cm)
■ Weight	5.11 lb (2.32 kg)

## SYSTEM COMPONENTS

The AY-U900 is compatible with standard access controllers.

## PRODUCT WARRANTY

5-Year Limited Product Warranty

## ABOUT ROSSLARE SECURITY

Rosslare Security Products manufactures and markets high-quality security products via its worldwide offices and channel partners. Since 1980, Rosslare has offered high-quality systems for enterprise, small business, and residential applications. With Rosslare, you receive the best of all worlds: world-class product engineering and design; professional customer service spanning the globe; and the quality and affordability of a vertically integrated and self-owned manufacturing facility. Our expansive product range features much more than access control solutions and guard patrol management systems; we also offer applications software – such as License Plate Recognition, Time & Attendance, and DVR/alarm integration.

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