

# ALR-8610-AL LINEARLY POLARIZED RFID ANTENNA

# ALR-8610-AC CIRCULARLY POLARIZED RFID ANTENNA



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The ALR-8610 series of UHF antennas is specially designed to deliver optimum performance when used with Alien Technology® RFID readers. Optimized for the 865-MHz to 869-MHz frequency band, these antennas are ETSI certified for use with the ALR-8780 high performance reader.



The **ALR-8610-AL** linearly-polarized antenna concentrates maximum gain in a single axis, leading to the longest possible read range and penetration.

The **ALR-8610-AC** circularly-polarized antenna uses circular polarization to distribute the UHF energy uniformly in a radially symmetrical pattern, providing the ability to read RFID tags regardless of orientation.

## Product Specifications

### ALR-8610-AL

**FREQUENCY RANGE:** 806 - 896 MHz

**POLARIZATION:** linear

**GAIN:** 7.5dBiL max

**BEAM WIDTH:** Less than 70°

**INPUT IMPEDANCE:** 50 Ohm nominal

**CABLE:** 6 Metres LMR-195, 50 ohm coaxial, reverse polarity connector

**DIMENSIONS:** 28.4cm X 22.4cm X 5.6cm

**RETURN LOSS:** Less than -15 dB across frequency range

**OPERATING TEMPERATURE:** 0° TO 50° C

**READER COMPATABILITY:** ETSI certified for use with the ALR-8780 RFID Reader

### ALR-8610-AC

**FREQUENCY RANGE:** 865 - 965 MHz

**POLARIZATION:** circular

**GAIN:** 5.5dBiL max

**BEAM WIDTH:** Less than 70°

**INPUT IMPEDANCE:** 50 Ohm nominal

**CABLE:** 6 Metres LMR-195, 50 ohm coaxial, reverse polarity connector

**DIMENSIONS:** 25cm x 25cm x 3.8cm

**RETURN LOSS:** Less than -15 dB across frequency range

**OPERATING TEMPERATURE:** 0° TO 50° C

**READER COMPATABILITY:** ETSI certified for use with the ALR-8780 RFID Reader