

ALR-8610-AL LINEARLY POLARIZED RFID ANTENNA

ALR-8610-AC CIRCULARLY POLARIZED RFID ANTENNA



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