ALR-9650 Gen 2 RFID Reader with Integrated Antenna
Complete, Easy, Single-Antenna RFID Solution

The Alien® ALR-9650 is the ideal solution for single and two-antenna applications. The reader electronics and a high-performance, circularly polarized antenna reside in a single package, resulting in a simple, inexpensive and low profile RFID installation. A second antenna port enables 2-antenna applications.

Simple, Low Profile, Gen 2 RFID Solution

With its integrated antenna, Power-Over Ethernet (POE) and out-of-the-box software compatibility, the ALR-9650 Gen 2 RFID Reader is a simple, low profile solution that enables new users to start reading tags and developing solutions immediately.

❯ Simple, low-profile solution for single antenna applications

❯ Integrated, high performance circular antenna — only 9"x 9"

❯ POE option eliminates cost of AC power drop

❯ EPC Gen 2 Dense Reader Interoperable

❯ Second antenna port enables 2-antenna applications

❯ Manageable and upgradeable

Easy to Integrate

The ALR-9650 communicates via the popular Alien Reader Protocol, with support for software platforms such as Microsoft BizTalk and for popular RFID applications provided by Oat Systems, GlobeRanger and others. A well-documented SDK featuring .NET and Java libraries enables easy development of custom interfaces to control the reader if desired. The reader ships with handy Alien RFID Gateway software that enables the user to begin solution development immediately.

Low System Cost

The cost of installing AC power can sometimes rival the cost of the reader. The ALR-9650's POE capability allows power to be delivered over properly-equipped local area networks, eliminating expensive AC wiring installation. (A standard AC/DC power converter is provided if POE is not available.) The combination of this capability with the elimination of the external antenna significantly reduces the cost and complexity of installing an RFID read point.

Small Footprint

The ALR-9650 takes up little space; at only 9 inches square it uses less than half the real-estate of a typical reader and antenna system. Combined with the elimination of messy cables for antennas and power, the ALR-9650 easily fits into a variety of tight spaces and enables neat and tidy placement when it is visible to consumers or the general public.

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Model Number	ALR 9650
Supported RFID Tag Protocols	EPC Gen 2; ISO 18000-6c
Reader Protocols	Alien Reader Protocol
LAN Protocols	DHCP, TCP/IP, NTP
Dense Reader Management	Dense Reader Mode, Event triggering
Frequency	902.75 MHz – 927.25 MHz
Channels	50
Channel Spacing	500 KHz
RF Power	Max; 4 watts EIRP with internal antenna
Power	24 VDC supplied via an AC/DC converter or POE (IEEE 802.3af). Unit ships with a Power Sourcing Equipment (PSE) module
Communications	RS-232 (DB-9 F), LAN TCPI/IP (RJ-45)
Antennas	One internal, one external port with RTNC connector
General Purpose Inputs/Outputs	2 inputs, 2 outputs, TTL compatible
Dimensions	(L) 9.13″ x (W) 9.0″ x (D) 2.0″
Weight	1.0 kg (2.2 lb) max
Operating Temperature	0°C to +50°C (32°F to +122°F)
LED Indicators	Power, LAN Link, LAN Active, RFon, Read, Fault
Software SDK	Java and .NET APIs
Compliance Certification	Emissions: FCC Part 15 Safety: UL 60950

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- Legacy Technology Services is a leading nationwide provider of mobile computing, barcode, printers and point of sale equipment and services.

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- Legacy handles virtually every major manufacturer of mobile computing, barcoding and point of sale equipment.

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- Legacy is one of the best repair facilities in North America

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- They don't make it anymore? Our inventory also includes manufacturer close-outs and discontinued equipment to support our clients legacy infrastructure.

Trade-in and Disposal services
- That old equipment laying around your facility may still have some value. Legacy routinely purchases equipment from our clients around the globe.
    - Data destruction
    - Hardware disposal
    - Auditing services

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