



JR1 - Reader



The JR1 RFID Reader serves as the core intelligence within an advanced RFID ecosystem, designed to effortlessly identify and handle robust, high-performance active RFID tags. It offers dependable performance and adaptable deployment in various environments.

The JR1 is engineered for high-speed, multi-source data capture, enabling simultaneous reads from various antennas. Its loop-less system architecture not only simplifies installation but also ensures a visually appealing and unobtrusive setup.

With a compact, fully configurable design, the JR1 operates as a single adaptable reader, meeting the needs of both security OEMs and system integrators. It offers maximum flexibility and control while ensuring fast and reliable tag detection in demanding applications.

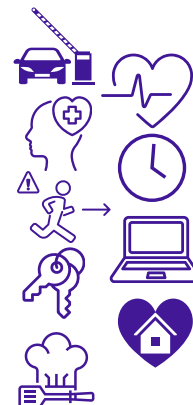


Features

- ✓ AES 128-bit Secure data exchange
- ✓ Can monitor up to 32 individual antennas
- ✓ Up to 15m range from a single antenna
- ✓ Expandable detection zone to cover large areas
- ✓ Wiegand, RS232, RS485, Ethernet & OSDP
- ✓ 8 x customisable input ports
- ✓ 8 x customisable output ports
- ✓ 2 x Volt free contact relays
- ✓ Configurable via RF Field (JC1)
- ✓ Multiple reporting protocols
- ✓ Reader firmware upgradable

Built for versatility, the JR1 supports a broad range of applications, making it suitable for complex tracking, monitoring, and identification systems.

Vehicle control & occupancy tagging
Healthcare & industrial equipment tagging
Mental health and safety oversight
Safety rollcall & Time/attendance monitoring
Mass Evacuation
Asset tracking
Access control & key compromise
Care home controls & healthcare management
Food manufacturing and compliance



Identec Ltd 5 Mercantile Rd,
Houghton le Spring, DH4 5PH

+44 (0)191 584 4084
info@identec.com



identeclimited

www.identec.com



UK MANUFACTURER

The JR1 Reader offers outstanding flexibility, control, and reliability, enabling integrators to create secure, efficient, and future-ready RFID solutions.

Enhanced Performance

Rapid and extensive performance with dependable multi-tag reading capabilities
Flexible configuration to accommodate various system requirements
Durable and sturdy design suitable for critical applications
Cover expansive areas using multiple antennas
Completely customisable to meet specific needs

Applications

-  Healthcare – real time location of specialised equipment
-  Mass Evacuation
-  Industry – asset tracking for high value machinery
-  Personnel Safety
-  Logistics – pallet or container tracking
-  Personnel Identification
-  Office – tracking laptops, office equipment
-  Car Parking Access
-  Time and Attendance
-  Mental Health and Safety Oversight

Technical Specification

Coding:	Unique 48-bit Card ID		
Physical Size:	152mm x 89mm x 28mm	5 125/127in x 3 1/2in x 1 7/64in	
Weight:	183gm (with terminal blocks)	6.4oz	
Material:	Black ABS moulding		
Temperature:	-20°C to +60°C (-4°F to 140°F)		
Humidity:	0 - 80% non-condensing		
Power Requirements:	7V to 26V dc @ 200mA		
Output Format:	via terminal block Wiegand, RS232, RS485, Ethernet & OSDP		
Battery Low:	Can be configured to report tag battery power or raise alarms below threshold		
Read Range:	Up to 15m from a single antenna		
Speed of Reading:	Typically 20 per second/per antenna		
Reporting Modes:	Multiple reporting mode available Configurable via JC1 configuration tool		
Disposal:	Return to Identec for safe disposal		
Approvals:	CE, UKCA, BLE-SIG, EN 61000-6-1:2019, EN 61000-6-3:2007+A1:2011, ETSI EN 301 489-1 V2.2.3, ETSI EN 301 489-17 V3.3.1		



Discover our range of hardware solutions, designed to offer real-time tracking of people and assets. This includes Active RFID tags, readers, and antennas that can be seamlessly integrated to form a complete and scalable RFID infrastructure.

Why Choose Our Solution?

- **Cost-effective vs. RFID and GPS**
- **No complex installation required**
- **Fast deployment and scalability**
- **Proven reliability in high-density environments**

Identec **tags** are categorised into personnel tags and asset tags, with a range of configurable options available to meet specific application requirements.

A variety of active **readers** are available to support diverse connectivity needs, including Serial, OSDP, RS485, Wiegand and Ethernet interfaces.

In addition, Identec provides a broad selection of **antennas**, enabling tailored deployments and precise performance across a wide range of environments and use cases.

Applications



Time & Attendance Management - Automate workforce tracking to improve accuracy and reduce administrative overhead



Mass Evacuation Management - Enable real-time visibility of personnel during emergency situations for faster and safer evacuations



Personnel Safety - Monitor worker locations and enhance safety protocols in high-risk environments



Personnel Identification - Provide secure and reliable identification for employees and visitors across facilities



Healthcare - Track patients, staff, and critical medical equipment to improve care delivery, safety, and operational efficiency



Asset Tracking - Monitor the location and utilisation of assets in real time, reducing loss and improving operational visibility



Car Parking & Access Control - Streamline vehicle entry and exit with automated identification and access management with multiple tags inside the car

With 40+ years of expertise in contactless radio frequency identification technology, we deliver innovative solutions to customers worldwide. Our products support a diverse range of applications and industries, helping organisations improve efficiency, security and asset management.

Explore our complete product portfolio at www.identec.com, or contact us to discuss your specific RFID requirements and discover how we can develop a tailored solution for your business.

Identec Ltd, 5 Mercantile Rd,
Houghton le Spring, DH4 5PH

+44 (0)191 584 4084

info@identec.com



identeclimited



www.identec.com



UK MANUFACTURER