



IDLR UHF Long Range Reader IDLR-12(v2)



IDCUBE's IDLR-12(v2) is a high-performance UHF long range reader with a much enhanced and optimized multi-tag inventory algorithm with the reading speed of more than 100 tags per second. It is used for vehicle access control, identification, and authentication applications. It provides a reliable read distance of up to 12 meters with IDCUBE's specialized ASSA series of long-range credentials.

Seamlessly integrates with Wiegand & RS232 compatible controllers to drive boom barriers, bollards, retractable gates, road blockers, shutters, etc. The reader is useful for applications such as critical infrastructure vehicle entrance control, toll plazas, residential and corporate parking lots, in-plant commercial or heavy goods vehicle tracking, industrial process automation, etc.

The compact and ergonomic design makes the reader rugged, easy to install, and maintains the aesthetics of entrances.

**Quoted read distance/performance is achieved using standard IDCUBE test methodology, details available on request; Actual read distances may vary based on the choice of an RFID tag and installation conditions*

KEY FEATURES

Enhanced & optimized multi-tag inventory algorithm with the reading speed of more than 100 tags per second.

Built-in 9dBi circular polarized antenna to read an RFID tag in any orientation from vehicle's windshield

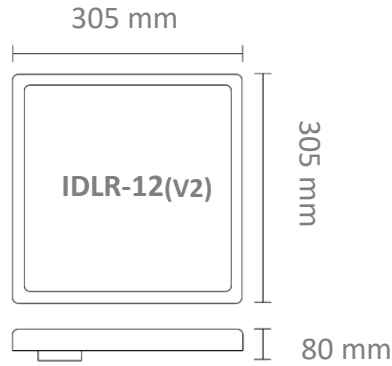
Supports INDIA 865~867 MHz, EU 865~868MHz, US 902~928MHz working frequency

Reliable read distance of up to 12 meters with IDCUBE's specialized ASSA series of long-range credentials

Support EPC Global UHF class 1 gen2/ISO18000-6C protocol RFID tags

Integrates with Wiegand/RS232 compatible controllers

Support for command, polling and trigger mode



TECHNICAL SPECIFICATIONS

Characteristics	IDLR-12-V2
UHF Protocol	EPC Global UHF Class 1 Gen 2 / ISO 18000-6C
Operation mode	FHSS
Frequency	840~960MHz at option; Fixed or FHSS
RF output power	30dBm±1dB (MAX)
Step power	1dBm
Signal width	<250KHz
Antenna	Built-in 9dBi circular polarized antenna
Reading distance	Up to 12m depending upon the tag size
Writing distance	Up to 5m depending upon the tag size
Multiple tag reading speed	≥100pcs/s
Interface	RS232, Wiegand, RS485
Operating Voltage	DC 12.0V (+9~24V); Built-in power supply with input voltage range 120 ~ 373V AC.
Operating Current	≤600mA @ DC12V
Standby Current	≤100mA / DC12V
Dimension(mm)	305 X 305 X 80mm
Weight(kg)	2.2kg
Operating Temperature	-20 ~ +60°C
Storage Temperature	-30 ~ +85°C
Operating Humidity	<95%RH (+25°C) Non-condensing
Ingress Protection	IP66 including power supply
Certification	CE
Product Code	IDLR-12(v2)

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