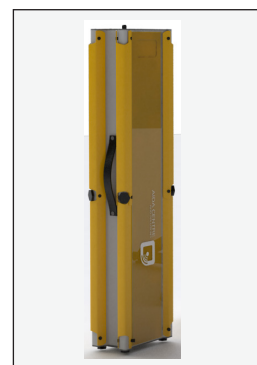




AIDA CENTRE RFID SOLUTIONS

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General Description

Portable IRU is an autonomous Intelligent Reading Unit (IRU), independent, easy to install/uninstall allowing traceability of readings in different scenes.

Portable IRU has two high gain internal antennas, with high circular polarization and a radiation pattern: A13

The mobile unit requires only an electrical connection for operation. The system will store the data from the readings on the internal memory, informing the user when emptied and must be sent to the central system for information management.

The data download mode is automatic through network connection (the system downloads the information on a central server) or manually using a USB flash drive or external memory.

The Portable IRU's main objective is to give a practical solution, economical and easy to transport and install, allowing temporary studies in different settings / bookmarks. It is specially designed for industrial environments, loading docks and entrances to stores in which you want to perform a time study of traceability.

Benefits

-  No installation costs
-  Easy and cheap maintenance
-  It can be used in different environments. It has got a transport kit, that makes the assembly easier
-  Plug & Play
-  Compatible with EPCGlobal

Applications

-  Loading dock
-  Entrance and exit doors
-  Warehouses access
-  Intermediate points of control
-  Sorting areas
-  Conveyor belt



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RFID Specifications

ETSI band:	865 - 868 MHz
FCC band:	902 - 928 MHz
Supported TAGs:	EPCglobal Class 1G2, ISO1800-6C, ISO1800-6B Ucode 1.19
Transmission power:	+33 dBm
RFID Regulations:	RoHS, ETSI EN 301 489, ETSI EN 302 208 y IEC 60950
Optional:	Activation with external sensor

Power Supply Specifications

Input voltage:	100 - 240 Vac
Operating current:	20W Maximum
Input frequency:	50 - 60Hz
Output voltage:	24VDC
Output current:	3A maximum
Optional:	Earth leakage circuit breaker with self-reclosing 1h autonomy(SAI) Watchdog IP, reset Remote supply

Aerials

The basic system is supplied with 2 internal antenna, with the following characteristics:

ETSI band:	865 - 868 MHz
FCC band:	902 - 928 MHz
Input impedance:	50 Ohm
Input Connector:	Female SMA

Environmental Specifications

Dimensions:	
no support:	250 x 250 x 2000mm
Weight:	15 Kg
Material:	AL/PC
Protection degree:	IP 65
Impact resistance:	IK10
Operation temperature:	-20°C to 50°C
Relative humidity:	5% to 95% non condensing

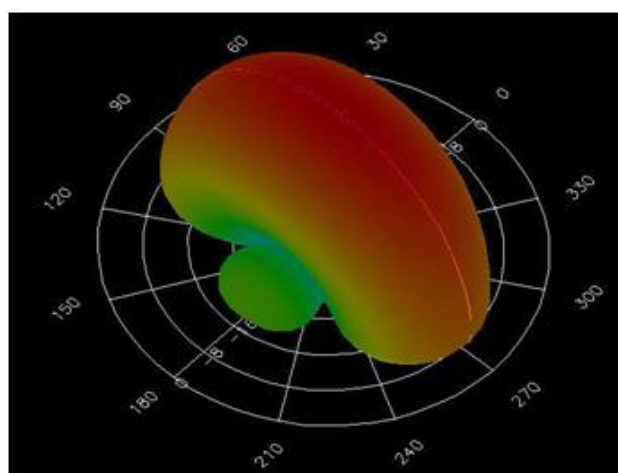
Communications

Local:	Ethernet (10/100 BaseT)(RJ45)
Optional	
Wireless:	Wifi GPRS / 3G (SIM not given if not asked for)
Storage:	10.000 readings
Remote updating of the system.	
Monitoring alarms.	
Display:	3 status led

Assembly

Fixation:	On floor, with 4 screws M10
Mobile:	4 rubber wheels, so it can move, with brakes or a provisional fixation

Radiation Pattern A22



Gaining:	6.2 dBiC
VSWR (ROE):	<1.6
Axial Ratio:	<1.2dB
Beam width:	40° / 90°
F/B ratio:	<-15dB (+-3dB)
Input impedance:	50 Ohms
Polarization:	Circular (RHCP)
Connector:	SMA Female