



Product ID: RexLab
Category: Receptor

Receptor and controller for data RF registration, with 3 digital output and a group of communication interfaces.

TECHNICAL SPECIFICATIONS

CPU	MIPS 32bits@64MHz with 512Kb Flash, 128Kb RAM
Memory	Dataflash of 4Mb for data storage, 32Kb EEPROM for configuration
Real time clock	External with battery
Watchdog timer (WDT)	Internal Watchdog available
Device configuration	Basic configuration by use of an embedded web server
LED indicators	14 status LEDs (System supply, System active, Ethernet, GSM, I/O status, ...)
Firmware updates	Via Embedded Web Server

I/O AND COMMUNICATIONS PORTS

I/O	3 digital outputs for warnings of supply failure, communication failure and low battery
Communications ports	1 Ethernet 10/100Mbps 1 Puerto RF 802.15.4g. Red GSM. (Optional for SMS)
Protection of the I/O	The 3 digital outputs are protected against incorrect wiring with the following restrictions: Máx. voltage on output terminals: Supply voltage 12V Máx. current for output: 100mA

SUPPLY CIRCUIT

Supply voltage	12 VDC 18650 Li-Ion 3.7V backup battery (Optional)
Consumption	< 2W

ENVIRONMENTAL CONDITIONS

Working temperature	0° ~ 35°C
Humidity	5% ~ 95% (without condensation)

INFORMATION ABOUT ORDERS

Minimum order	1
Order reference	RexLab, RexLab Premium
Accessories	Módulo 3G, Battery

CONSTRUCTION FEATURES

Dimensions	160x100x33mm (W/H/D)
Box material	ABS Plastic
Installation type	Superficial
Degree of protection	IP20
Weight	220g

CERTIFICATES AND DECLARATIONS

Rules	EN 60950-1:2006 + A11:2009 + A1:2010 + AC:2011 + A12:2011 + A2:2013 EN 301489-1 v2.2.0 EN 301489-3 v2.1.1 CFR-21 Parte II
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This product is compatible with the RoHS (2011/65/UE)