THE WIZE CATALOGUE

IoT devices connected with Wize

February 2026

SUMMARY

Wize'Up by aLCiOM

www.alciom.com
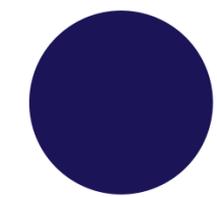
PRODUCT

- Open-hardware design, provided by ALCIOM to the community under Permissive CERN-OHL v2 licence
- Developped as part of a grant contrat funded by the Wize Alliance
- Compatible with the open-source Wize protocol stack available independently from GrDF
- Full schematics, bill of materials, Gerbers and validation reports available free of charge from ALCIOM web site
- Assembled & tested modules and evaluation kits available from ALCIOM, as well as hardware customization, support and antenna design services

TECHNICAL FEATURES

- >+25dBm output power, better than -125dBm sensitivity in WM2400, 10%PER
- 3,6V to 4,2V power supply, direcly compatible with LiSoCl2 primary batteries
- 2,5V logic level for best in class power consumption + sleep mode (<1µA)
- Flexible external interfaces : UART + I2C + 6 generic digital or analog I/Os
- Module size 38x28mm, SMT and PTH compatible, optional shield
- STM32L451CEU6 micro-processor (Cortex M4, 512KB flash, 160KB RAM, RTC)
- Additionnal 1Mb serial EEPROM for secure FOTA upgrades
- ADF7030-1 transceiver and SKY66100 front-end, on-module TCXO
- ESD protection and filtering of the antenne port
- EN300220 precompliance report provided by ALCIOM for information

WHERE TO BUY IT?

To buy this module contact them at: contact@alciom.com

GRDF

www.grdf.fr

PRODUCT

Open Wize is an open source software stack developed as part of the Wize Alliance, led by GRDF, to enable the use of the Wize radio protocol on the 169 MHz frequency.

This protocol is designed for industrial IoT applications requiring long-range, robust and very low-power communication.

Open Wize offers a complete implementation, compatible with Wize 1.2 specifications, enabling manufacturers, integrators and developers to design reliable communication sensors and equipment while saving 4 to 6 months of development time.

The solution is based on openness, transparency and standardisation, facilitating its adoption by a growing ecosystem of public and private players.

TECHNICAL FEATURES

- Full implementation compliant with the Wize v1.2 standard.
- Modular architecture via WizeCore, facilitating porting and integration on all types of 169 MHz transceivers.
- API and development examples (demos, applications, code organisation).
- FOTA support for both the protocol stack and application software.
- Hardware compatibility: Basic implementation for Analog Device 169 MHz AD-7030 transceiver.
- Compatible with Alciom's Wize'UP development board.

WHERE TO BUY IT?

Contact   :
matthieu.blachere@grdf.fr
https://wizeeverywhere-openwize.readthedocs.io/en/rel-1.0.1/welcome.html
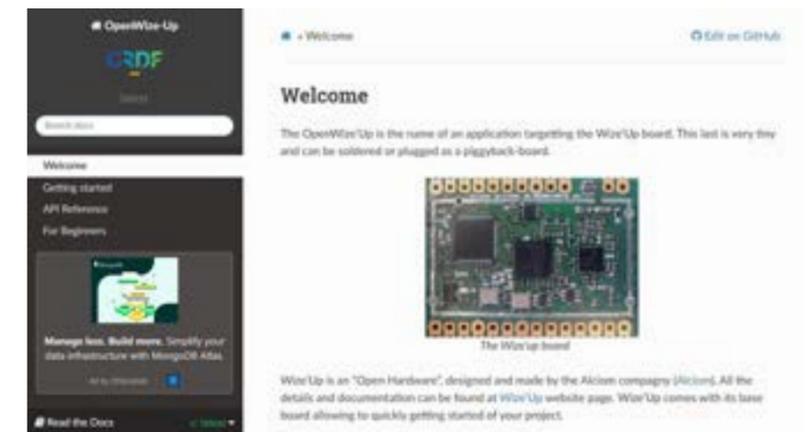
Beewize by BIYOTEE

PRODUCT

Beewize is a 169 MHz network detector designed to detect the presence of Wize concentrators in the vicinity. Beewize is a diagnostic tool designed for professionals in the field, who can then install a gas, electricity or water sensor.

Beewize puts an end to doubts about network coverage. You have access to actionable data in a matter of seconds. Save time and cut costs.

FEATURES

- Local network analysis without external connection
- Detection only of concentrators whose device has the Kmac (on-board encrypted key)
- Choice between GRDF or SUEZ networks
- Results displayed on e-paper screen: ID, signal, time
- Export of a complete .CSV file via USB connection with GPS coordinates, PING, signal level.

WHERE TO BUY IT?

Contact: lmichel@biyotee.com

https://www.biyotee.com/en/

Available 2nd semester 2025

RDS-LIGHT by BIYOTEE

www.biyotee.com

PRODUCT

A remote management solution for public lighting. The RDS - LIGHT solution is a FM-based control system that optimises public lighting and allows local autorities and electrical operators to see any malfunctions in real time.

The RDS-LIGHT 4R box has been designed for installation in public lighting cabinets. It contains an intelligent local astronomical clock, as well as a measurement card that warns of several possible alerts: cabinet failure alert, disjunction alert, forced operation alert, etc.

The modules and applications enable to:
- switch on and off at the right time
- remote control
- change cut-off times in the middle of the night (ie. energy saving plan)

TECHNICAL FEATURES

- Use existing networks
- Large signal depth
- open source specifications
- open source license for hardware
- Wize protocol

RDS-LIGHT MODULES & APPLICATION

- Lamp@Ville application: web application for controlling and supervising street lighting
- RDS-LIGHT 4R module: control and supervision module to be installed in the control cabinet
- MINI module: control module to be installed in a cabinet or small electrical box
- ZHAGALEE module: control/supervision module for installation on a Zhaga connector

WHERE TO BUY IT?

Contact: lmichel@biyotee.com
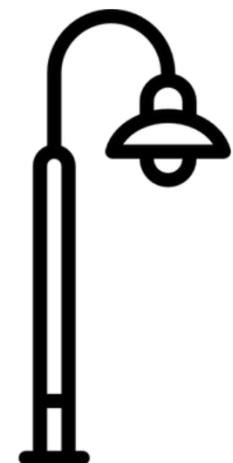
ECHO by JD Cedarnet

www.jacquet-dechaume.fr

PRODUCT

The ECHO system is designed and adapted to the specific needs of monitoring and management of Cathodic Protection.
The ECHO system is a complete digital chain of remote monitoring, supervision and control, implemented in the field of Cathodic Protection. (Protection against corrosion of buried or immersed metallic structures).
Communications and data exchange comply with security and confidentiality requirements.

The customer is the owner of his data which he has fully and without restriction.

TECHNICAL FEATURES

- Battery long life
- IP class: IP66
- Case size: 191 x 125 x 60mm (H, W, P)
- Antenna size: 80mm (H)
- Weight: 500g (depending on option)
- Entries / Exits: 4 analog inputs AC & DC + 2 logic inputs + 1 relay output
- Digital interfaces: CAN BUS
- Connectivity: WIZE - 2G / 4G
- Galvanic isolation between the channels, 4kV, 6kV over 1 second. Protection by Transil Diode on each channel, 15kV discharge by air and 10kV discharge by contact.

WHERE TO BUY IT?

Contact:
Ludovic.denys@jacquet-dechaume.fr

VHF CP V2 by DIEHL Metering

https://www.diehl.com

PRODUCT

VHF CP V2 is a radio module designed for long-range fixed network remote reading of Diehl Metering water meters.
VHF CP V2 can be easily clipped on all the meters of the Diehl Metering inductive modular range (Ha+Ti or Ti) with a grey or red ring. Its tamper-proof sensor operating on inductive principle enables the data collection of the water meter and the reading is ensured via a bidirectional link in long-range fixed network mode.

TECHNICAL FEATURES

- Compact radio emitter
- Compatible with Diehl Metering water meters
- Available in 169 MHz with WIZE protocol
- Suitable for fixed network reading
- IP 68
- Lifetime up to 15 years
- Different functions and alarms available
- Insensitive to magnetic fraud

WHERE TO BUY IT?

Get in touch with:
yoann.sinel@diehl.com

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VHF V2 Wize RT by

PRODUCT

VHF V2 Wize RT is the Diehl Metering solution for meters installed in location where a clip-on radio is not adapted (very low radio signal, flooding conditions, ...) or for upgrading any compatible pulse emitting meter. VHF V2 Wize RT is connected to pulse emitter installed on water meter. Bi-directionnal Radio communication complies with Wize protocol and ensure sa long-range communication reinforced by the possibility to place the antenna in optimal conditions.

The device is field programmable with the serial number of the associated meter.

VHF V2 Wize RT offers multiple functions (historical index value, remaining battery lifetime, etc) and alarms (leaks detection, meter stopped, backflow, etc) if pulse emitter is able to generate this information.

TECHNICAL FEATURES

- Remote radio emitter
- Compatible with most pulse emitting meters
- Suitable for fixed network reading
- IP 68
- Lifetime up to 15 years
- Different functions and alarms available
- Insensitive to magnetic fraud
- Power supply: 2 Lithium battery 3.6 V
- Radio Range: Up to 2 km depending on the environment
- Ambient operating temperature °C: -15 to +55
- Storage temperature °C: -20 to +65

WHERE TO BUY IT?

Get in touch with:
yoann.sinel@diehl.com
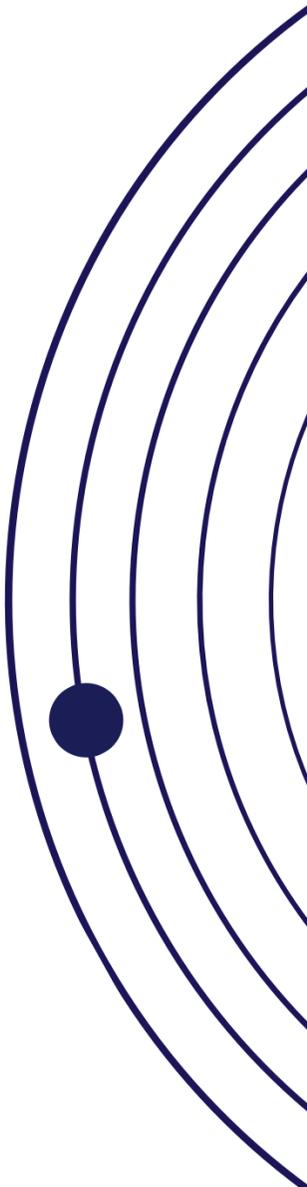
ON'connect switch by ◉ hydrelis

www.hydrelis.com

PRODUCT

Water circuit breaker for professionals.
With the switch, you gain security and
flexibility in the water supply of your buildings
and you can be sure to save money.

- better monitoring of consumption of your
  sites and buildings
- prevention of risk of leakage or of water
  damage (automated cut-off in case of
  leakage)
- real-time alerts in case of a proven leak
- management of occupancy seasonality
  (automatic cut-off: night, vacations,
  weekends...)

OPTIONS

- BMS/GTB connection: Wire
  modbus or wire on automation
- GPRS or remote reading
  management.
- Diameters available: from DN15 to
  DN100

WHERE TO BUY IT?

To buy Switch Flow, get in touch
at this address:
magali.remy@hydrelis.com

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Cyble LRF v2 Wize by **Itron**

PRODUCT

The Cyble technology developed and patented by Itron eliminates the risk of metering errors and takes into account backflow.

The LRF V2 module is compatible with the entire range of hot and cold water meters equipped with the Cyble Itron pointer.

The Cyble LRF v2 Module is compact and can be mounted directly on the meter, without any wires or fixing accessories, making it very easy to install.

TECHNICAL FEATURES

- Modulation: FSK / GFSK
- Transmission: 1-channel / 2-channel - 1G and 2G mode compatible
- 15 years typical, under normal use and environmental conditions.
  - 24 indexes,
  - Data transmitted 213.3 Bytes/Day
  - 2400 baud rate
  - +16 dBm Radiated power
- Humidity resistant: 0 to 98%
- Functionning temperature: -20 to + 55°C
- Storage temperature: 0 to 35°C
- Conformity: RED N° 2014/53/UE

WHERE TO BUY IT?

You can buy this device here: https://www.itron.com/na/contact/sales-inquiry

Gazpar by Itron

PRODUCT

GAZPAR combines a Gallus-type residential diaphragm gas meter with an integrated 169 Mhz radio module. Gazpar, combined with its remote reading system, enables the automated and remote collection of gas indexes at daily, hourly or 1⁄4 hourly intervals.

TECHNICAL FEATURES

- Proven membrane metrology
- Operational life of 20 years (battery powered)
- Remote software update
- Local NFC communication
- Cyclic volume: 1.2 dm3
- Measuring range: G4 Qmin : 0.04 m3/h Qmax: 6 m3/h
- Max Pressure: 0.5 bar
- Functionning temperature: -25 to + 55°C
- Storage temperature: -25 to +70°C
- Battery: Lithium/Manganese Dioxide
- 2040 g
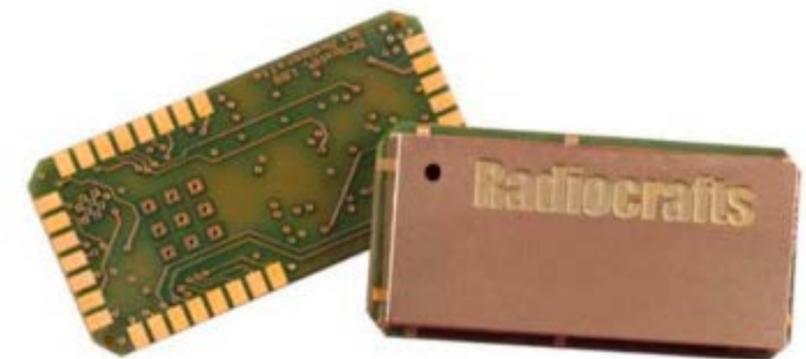
WHERE TO BUY IT?

You can buy this device   here: https://www.itron.com/na/contact/sales-inquiry

RC1701HP-WIZE by

PRODUCT

Wize compliant RF module that measures only 12.7 x 25.4 x 3.7 mm. The module contains a communication controller with embedded Wize protocol (v.1.1) as specified by the Wize Alliance based on Wireless M-Bus (EN 13757-4) operating at 169 MHz with 500 mW output power. The module is compliance tested for operation under the European radio regulations.

TECHNICAL FEATURES

- No external components except antenna
- Antenna tuning feature
- High power, long range (20 km Line-Of-Sight)
- Completely shielded module for SMD mounting
- 12.7 x 25.4 x 3.7 mm compact module for SMD mounting
- 2.8 – 3.6 V supply voltage, ultra-low power modes
- Conforms with EU RED directive
- Configurable LBT as defined in CIG UNI/TS 11291-11-4
- Pin compatible with the RC1701HP-MBUS4 module
- Output power table in 3 dB steps from -27 dBm to +27/30 dBm as defined in CIG UNI/TS

WHERE TO BUY IT?

Consult their list of distributors here:
https://radiocrafts.com/distributors/

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RC1701HP-WIZE-DK
Development Kit by

PRODUCT

The RC1701HP-WIZE Development Kit is available for rapid prototyping and proof of concept design. It includes all hardware needed to run a small Wize network from a PC. This allows you to quickly and easily test the network capabilities with minimum development resources needed. This is ideal for a first range test in a customer environment for example.

TECHNICAL FEATURES

- 2 Development Boards with RC1701HP-WIZE module
- Onboard USB level shifter and connector, SMA antenna connector, I/O breakout
- Antenna, 50-ohm quarter-wave monopole, SMA male connector
- SMA to BNC adapters
- USB cables
- C/DC battery eliminator 6VDC

WHERE TO BUY IT?

Consult their list of distributors here:
https://radiocrafts.com/distributors/

RC1702HP
Customization Module by

Radiocrafts
Embedded Wireless Solutions
www.https://radiocrafts.com/

PRODUCT

The RC1702HP is a compact surface-mounted module that measures only 12.7 x 25.4 x 3.7 mm. The module got several optional peripherals (EEPROM, 32 kHz crystal oscillator) and interfaces and is suitable as a versatile platform for custom variants for various applications using the 169 MHz frequency band.

The module contains an ultra-narrowband radio transceiver, temperature compensated crystal oscillator, power amplifier and a communication controller with embedded software. The radio is pre-certified for operation under the European regulations (CE, RoHS, REACH).

TECHNICAL FEATURES

- Autonomous system running the full application code (No MCU required)
- Long range, high reliabilty
- Ultra narrowband, high-performance radio
- High sensitivity and high selectivity
- High blocking properties
- High RF Power, long range (up to 20 km Line-Of-Sight)
- Completely shielded module
- GPIO, UART, SPI and I2C interfaces
- Support for external peripherals (IRDa, NFC, RTC, EEPROM, etc)
- 2.75 – 3.8 V supply voltage
- Ultra low power modes
- Conforms with EU RED directive (EN 300 220, EN 301 489, EN 60950), RoHS, REACH

WHERE TO BUY IT?

Contact Radiocrafts at sales@radiocrafts.com for more information on the RC1702HP customization module.

G4 diaphragm gas meter by Sagemcom

PRODUCT

G4 meter is a volumetric measuring instrument with diaphragms wall for natural gas, manufactured gas, LPG, and technical gases, designed for residential use.

Measurement precision and accuracy is guaranteed by the production and control process, and by an automated calibration system, which is used at the internal Metrological Laboratory upon 100% of the meters produced. The quality of the plastic and metal components makes the meters highly sensitive, even with a minimal gas flow, and ensures excellent performance over time.

TECHNICAL FEATURES

- Membrane in synthetic material
- Casing in galvanized sheet steel with polyester paint
- Meter with galvanized sheet steel, provides an excellent protection against corrosion, and resistance to high temperatures "T"
- High stability of measurement
- Low noise and pressure absorption
- Mechanical anti-Backflow
- Designed for connection with a low frequency pulse emission (LF) probe
- Integrated tamper and electromagnetic interference protection
- Available with 160mm spacing distance
- Mechanically Transmission of the measurement to the index
- RAL 9002 standard

WHERE TO BUY IT?

Get in touch here: https://www.sagemcom.com/en/contact

G6 diaphragm gas meter by

Sagemcom

PRODUCT

G6 meter is a volumetric measuring instrument with diaphragms wall for natural gas, manufactured gas, LPG, and technical gases, designed for residential use. It is designed and built according to the highest standards. Measurement precision and accuracy is guaranteed by the production and control process, and by an automated calibration system, which is used at the internal Metrological Laboratory upon 100% of the meters produced. The quality of the plastic and metal components makes the meters highly sensitive, even with a minimal gas flow, and ensures excellent performance over time.

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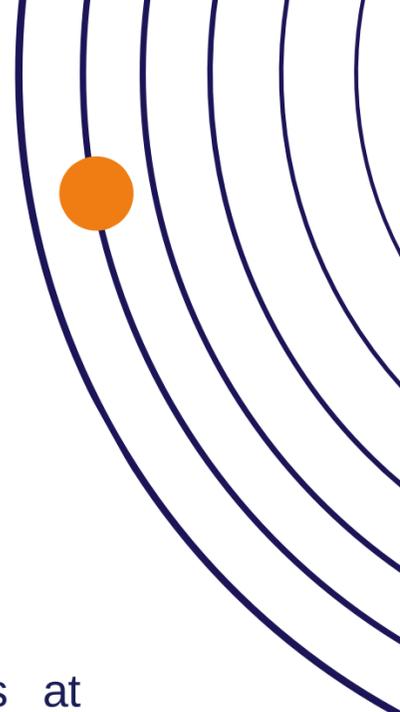## WHERE TO BUY IT?

Get in touch here: https://www.sagemcom.com/en/contact

EFR32FG13 Flex Gecko Propietary Protocol SoC Family by SILICON LABS

www.silabs.com/

PRODUCT

The Flex Gecko proprietary protocol family of SoCs is part of the Wireless Gecko portfolio. Flex Gecko are ideal for enabling energy-friendly proprietary protocol networking for IoT devices.

The single-diesolution provides industry-leading energy efficiency, ultra-fast wakeup times, a scalable power amplifier, an integrated and no-compromose MCU features. Flex Gecko applicaitons include: Home and Building Automation and Securitu, Metering, Electronic Shelf Labels, Industrial Automation, Commercial and Retail Lighting and Sensing

TECHNICAL FEATURES

- 32-bit ARM Cortex-M4 core with 40 MHz maxium operating frequency
- 512 kBv of flash and 64 kB of RAM
- Pin-compatible across EFR32FG families
- 12-channel Peripheral reflex system enabling autonomous interaction of MCU peripherals
- Autonomoud hardware crypto accelerator and true random number generator
- Integrated PA with up to 13 dBm (2.4 GHz) or 20dBm (Sub-GHz) tx power
- Integrated balun for 2.4 GHz
- Robust peripheral set and up to 32 GPIO

WHERE TO BUY IT?

Contact Silicon Labs at mitchell.klein@silabs.com

Taïga Wize: cathodic protection remote monitoring solution

SIS SMART SOLUTIONS

www.sis-solutions.com/en

PRODUCT

Stand-alone, efficient, and easy to use, TAIGA PC is an essential solution that can be easily integrated into all your sites.
Final product will be released end 2022.
The equipment will have two types of communication, 3 or 4G and radio modem 169 MHz. This will allow to switch from expert method for drainage (statistics analysis) and classic drainage acquisition.
When TAIGA PC detects a state change or a threshold crossing, it triggers a communication within one minute.

TECHNICAL FEATURES

- 4 analog inputs: Measurement of Transformer rectifier potential or « U Rail / Ground » / Measurement of the Transformer rectifier or drainage current / Pipe / Ground potential measurement / Measure on metallic corrosion coupon
- Acquisitions / Transmissions: 1 acquisition/second, Statistical processing/second, Transmissions ensured by the SEVBUS protocol
- 4 digital inputs
- 1 output: MOS type
- Power Supply: 3-year battery life * with internal lithium battery and 220v / 7v 1A transformer

WHERE TO BUY IT?

Contact SIS Smart Solutions at asa@sis-solutions.com

WIZE Remote transmitter for Pulse sensors and acoustic loggers by

https://www.suezsmartsolutions.com/

PRODUCT

The 4 wires of the cable (3 signals and a mass) of the VHF Acoustic Data Logger Transceiver can interface sensors at the pulse input or communication bus.
The integrated software allows the management of 3 types of sensors:

- Pulse: Pulse transmitter mounted on water meter, for example with direction and fraud signals;
- Sewerin VonRoll: acoustic water leak prelocator;
- Seba: acoustic water leak prelocator;

The device has a local NFC interface allowing the update of the integrated software to allow evolution or reparameterization. Radio transmission is carried out through SUEZ Digital Solutions' long-range fixed network remote reading system.

TECHNICAL FEATURES

- 2 Lithium batteries
- Storage and transport temperature: -25°C to +65°C
- Operating temperature: -20°C to +55°C
- Dimensions: 160 x 50 mm
- Resistances: Water and dust (IP 68), UV, corrosion, freezing, magnetic fields, vibrations, shocks, overpressure, chemical attack
- Lifetime: Pulse: 15 years - Sewerin / Seba: 10 years

WHERE TO BUY IT?

You can buy this device by getting in touch here: https://www.suezsmartsolutions. com/en/contact