

MICRORISC S.R.O.

IQRF based solutions for

LIGHTING & SENSORING

IQRF Indoor lighting

- IQRF to IEC62386 (**D**igital **A**dressable **L**ighting **I**nterface)
- Optional antenna variants (PCB / external)
- 230 V power supplied
- Tiny design (88 mm x 38 mm x 22 mm)
- All IQRF functionalities compatible
 - Smart connect
 - NFC bonding and Setup
 - Autonetwork
- Typically used
 - Indoor LED control
 - Emergency lighting



**IQRF Lighting Bridge
(IQD-DB1M-01)**

IQRF Street Lighting

- IQRF to IEC62386 (**D**igital **A**dressable **L**ighting **I**nterface)
- Optional solution for 0-10V LED control
- Standard easy-to-mount Street lighting sockets form
 - Zhaga
 - NEMA
- RF optimized solution
 - vertically positioned antenna
 - out of the lamp chassis
- All IQRF functionalities compatible
 - Smart connect
 - NFC bonding and Setup
 - Autonetwork
 - Beamed data aggregation



IQRF Light controllers

IQRF Street Lighting solutions

NEMA socket type



IQD-LCNE-01

- Standard NEMA 7-pin socket form
- 230V power supplied

Optional functionalities

- 0-10V LED control
- Illumination sensor
- GPS positioning
- RTC

CUSTOMIZATION POSSIBLE

IQRF Street Lighting solutions

ZHAGA BOOK 18 type



IQD-LCZH-01

- Standard Zhaga 4-pin socket form
- 230V power supplied

Optional functionalities

- 0-10V LED control
- Illumination sensor
- GPS positioning
- RTC

CUSTOMIZATION POSSIBLE

IQRF Light controllers – AVAILABLE

Lighting integrators - AVAILABLE in IQRF Alliance



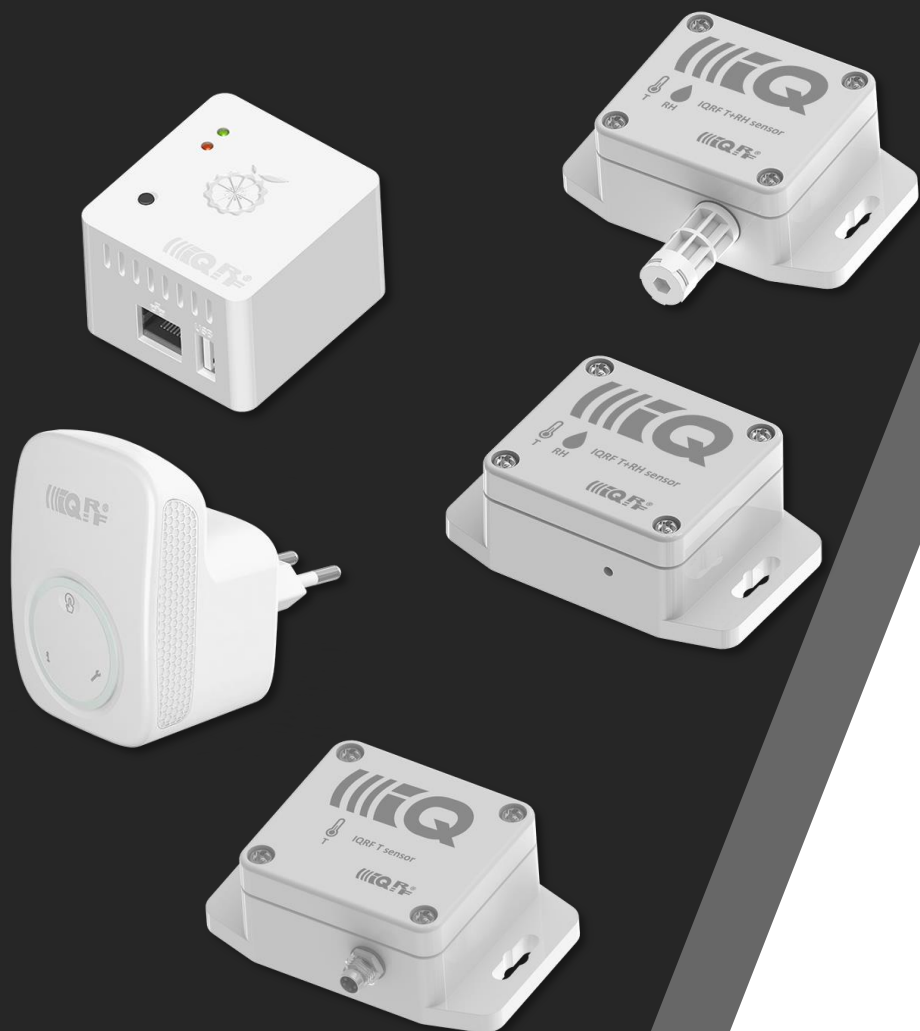
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IQRF Sensoring



3D monitoring of Temperature and Humidity

IQAROS



- 3D monitoring of Temperature and Humidity in warehouses, production plants, offices, or even residential spaces
- Real time monitoring at every minute
- Autonomous solution with cloud connectivity option
- Notifications on overcrossing limits
- Scalable „Place-and-play“ system
- User friendly (not only for Geeks 😊)
- Saving costs with guaranteed 7 years battery life
- Reliable solution based on IQRF wireless technology

IQAROS AGRO



- Temperature measurement of stored raw materials
- To ensure quality and/or avoid damages
- Autonomous island type system with optional connection to cloud / server
- Sensors designed following expert's feedback
- 1,5m spiked temperature sensor body
- Customer modifications possible

- Opening IQAROS for other IQRF Standard vendors
- Further step to enable automation and real IoT
- Already being successfully piloted in office facilities
- Integrated other IQRF Alliance partner's solutions



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IQAROS +

Ready to support your products get on-board

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More info at

www.iqaros.cz

www.wireless4lights.com

Thank you!!!

www.IQRF.org

www.MICRORISC.com

www.IQRFAlliance.org