

IQRF LIGHTING SOLUTIONS

Lighting controller with Zhaga/NEMA connector

Control unit for street lighting



MICRORISC

Simple and quick installation on the lamp. Remote monitoring and control in a robust wireless mesh network. Immediate overview of the electricity consumption and lamp technical condition.

EASY INSTALLATION

- ✓ Simply plug the controller into the socket on the lamp.
- ✓ Connect the LED driver in the light to a wireless mesh network in few steps.
- ✓ No need to install any data cables.
- ✓ Modular design.

DEPLOYMENT, MAINTENANCE AND ENERGY COSTS SAVINGS

- ✓ Save energy with lighting adjustment.
- ✓ Save personal costs with effective service management.
- ✓ Direct targeting of service intervention.
- ✓ No need to take care about data cables.

FLEXIBLE MONITORING AND CONTROL

- ✓ Remotely ON/OFF/dimming lights.
- ✓ Automatic lighting scenarios.
- ✓ Control lights individually or in groups.
- ✓ Immediate overview of the technical condition of lights.
- ✓ Grouping of lights according to needs.

ROBUST WIRELESS NETWORK

- ✓ Robust and reliable wireless network for lighting management.
- ✓ More than 200 lights in one network.
- ✓ Mesh topology.
- ✓ Autonomous network of lights connectable to remote services.
- ✓ Resistant against signal interference and obstacles.



Video tutorials



ZHAGA



NEMA

LEARN MORE ON OUR WEBSITES OR CONTACT US

Websites:

www.microrisc.com

www.wireless4lights.com

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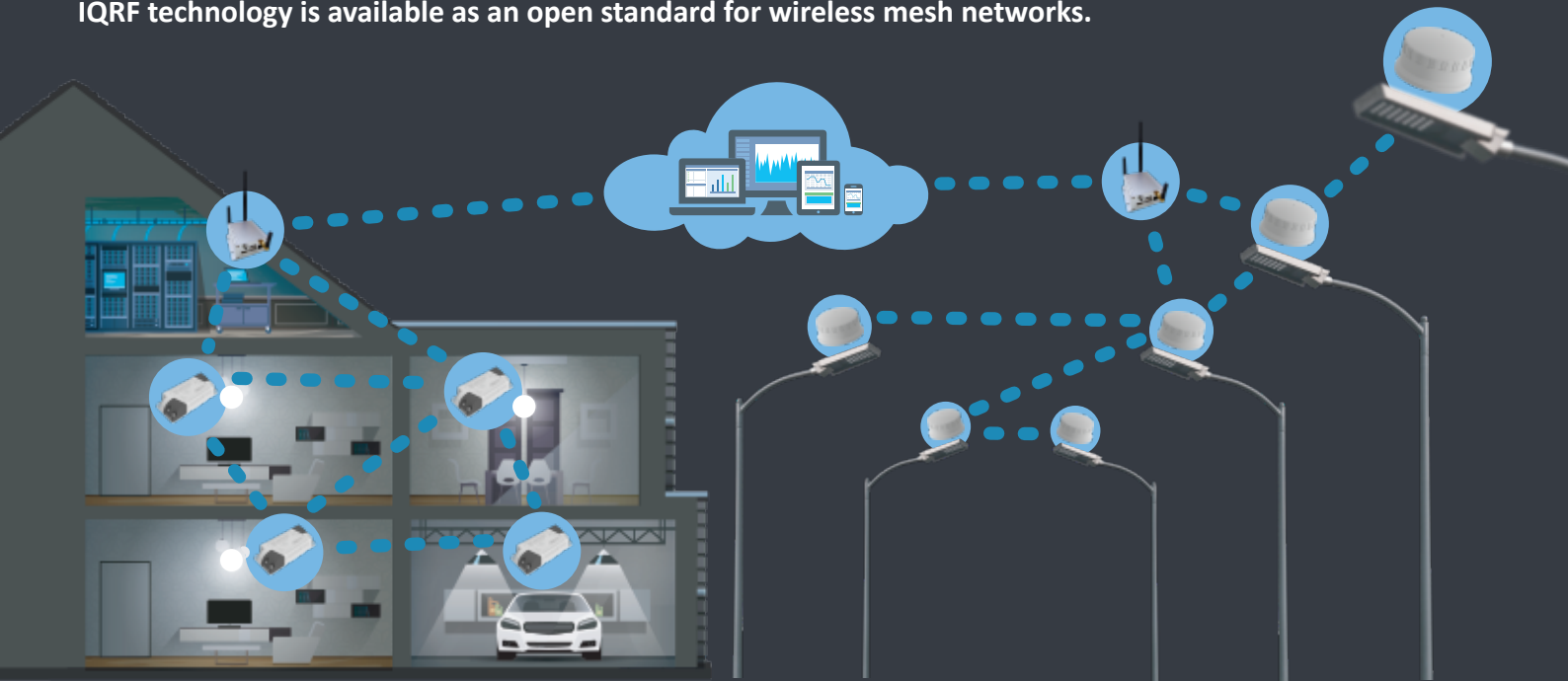
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Remote control and monitoring of lighting in the IQRF wireless mesh network is proven by extensive installations worldwide. IQRF Tech, MICRORISC, and other IQRF Alliance members' portfolio contain all essential parts from IQRF transceivers, wireless lighting controllers, IoT gateways, management applications, locally autonomous or cloud-based.



IQRF technology is available as an open standard for wireless mesh networks.



INDOOR LIGHTING

Lighting control and monitoring from a central application or using touch screens or switches. By its principles IQRF lighting solutions work properly even in challenging environments with many radio signal obstacles or interference, where many others fail.

- ▶ **Industrial halls, shopping centers, office buildings, schools and colleges, cinemas, sports halls, hospitals, retirement homes, churches, and many others...**

EMERGENCY LIGHTING

Emergency lighting solutions using IQRF wireless mesh technology enable remote system maintenance, including shutdown, restart, or firmware update. It is possible to control lights in bulk or selectively focusing on errors in lights, battery status, stability of communication connection, online inspection and testing, or regular service monitoring of individual luminaires.

STREET LIGHTING

There are tens of thousands of streetlights worldwide that operate in the reliable IQRF wireless mesh network. Complex systems enable remote control and monitoring of public lighting, CCTV, energy consumption measurement, control of traffic, monitoring of parking sensors, and environmental sensors, all based on real-time RF communication in the mesh network.

With a remote connection, it is possible to adjust light intensity, respond to people's needs, and decrease energy consumption. All monitored parameters are available immediately. This results in significant savings also on the maintenance side.

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