
Press Release

Connecting data worlds

IRIS CUW connects radio transmission with LAN network



The TRL Funksysteme GmbH – specialist for bi-directional data radio transmission– presents its new IRIS CUW module. With the IRIS CUW there is now an interface between the IRIS data radio networks and local LAN networks or the internet. IRIS data radio modules are designed for medium data volumes and are a price-efficient solution for many applications. IRIS provides particular time and cost benefits when a larger number of machines or sensors are widely spread and are to be triggered centrally. The IRIS CUW modules enable the user to communicate conveniently with the IRIS network, for example via LAN and the internet.

The IRIS-CUW communicates with other IRIS units on the radio side via radio waves in the 433mHz band, at a bit rate of 4800 bits/s. Radio communication functions bi-directionally and has a reach of up to 1,000m across open space. The CUW communicates with the end user via web pages and database solutions. All units of an IRIS system can be contacted via an IRIS CUW. Messages from the IRIS system can be sent on servers available via the internet. Also, messages can be sent to the IRIS system via internet pages and DB solutions. IRIS CUW can work with dynamic (DHCP) and static IP addresses.

The IRIS network can be applied in a variety of ways in industry and house technology. IRIS is used, for example, for gate control through to communication between machines (M2M). For house technology, for instance, gates or air-condition units can be monitored and triggered centrally. The IRIS network can send malfunction messages and current measuring data automatically via the IRIS CUW to the respective staff responsible. Settings can be conveyed in the other direction via the CUW to the IRIS network. IRIS renders special applications possible in the logistic processing of stocks and automated transport systems. IRIS CUW modules are also used in the vending business to provide remote assessment of the filling levels of the vending machines. IRIS is also used successfully in remote recording of power and water metres via radio communication. Using the new IRIS CUW, metre reading can be made via the internet.

A radio solution with IRIS modules is more price-efficient than GSM solutions in terms of acquisition as well as operation, and this solution is far superior to Bluetooth technology in terms of reach. Using the IRIS CUW, the local radio network can now be controlled via the internet.

You can have an IRIS radio system simply retrofitted into many systems. No additional control cables need to be installed. Even plant units further away can be integrated easily. Mobile components of transport systems or containers are monitored and triggered via IRIS. Since the modules can be individually configured, practically every concept can be realised with minimum effort.

The module is very compact, with dimensions of 130x110x35mm. 8-14V direct current is required for power supply.

Further information is available at www.trlfunk.de