

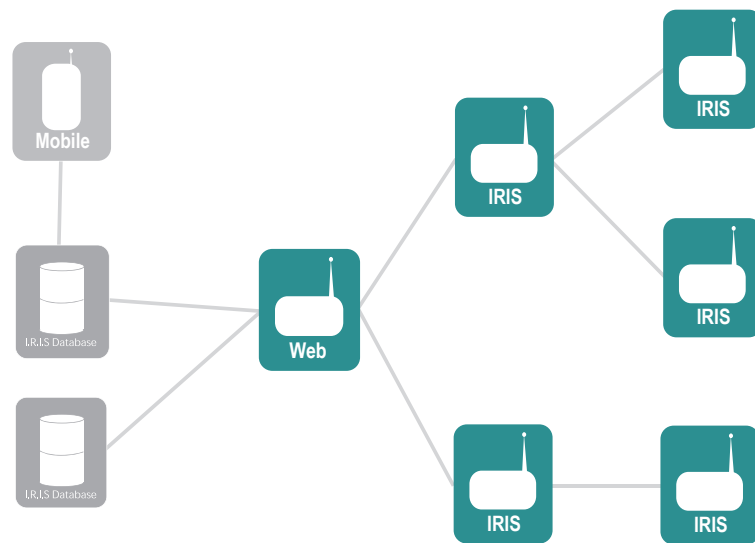


IRIS System

A typical IRIS system consists of a group of IRIS units arranged in a tree structure connected to each other by radio.

The top unit is the concentrator in the system and the connection to end-user via, e.g. a serial interface, a web-module or a GSM-module. The other units in the system are connected to various electronic equipments via I/O and serial interface or acts as repeaters to enable communication over longer distances.

IRIS units can, besides being a part of a radio network, work in pairs and work as standalone units.



IRIS-CUW

IRIS-CUW is an IRIS unit that can be connected direct to a LAN and the Internet. The IRIS-CUG handles both dynamic IP-numbers (DHCP) and static IP-numbers. It's made for acting as an interface between an IRIS system and users.

The IRIS-CUW communicates with other IRIS units by radio and with the end-users through web pages and databases.

All IRIS units in an IRIS system can be reached via an IRIS-CUW unit and there for it's possible to monitor and control systems and machines by remote.

Messages from the IRIS system can be sent to servers accessible from the Internet. The same way messages can be sent to the IRIS system using web pages and databases.

All IRIS models have timers, counters and flags and can create and send messages.



Technical data:

Radio:

Frequency	433.050 – 434.775 MHz; 439.700 – 439.975 MHz
Power	10 mW
Sensitivity	-112dBm
Modulation type	FSK
Bit rate	4800 Bits/s
Range	> 1 km (in line of sight)

Power supply:

Voltage	8 - 14 VDC: Normal: 12.0 VDC
Power consumption	approx. 200 mA @ 12 VDC (transmitting)
Maximal power consumption	200 mA @ 12 VDC

Miscellaneous:

Size	approx. 130x110x35 mm
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For more information: www.irisnetwork.se, info@irisnetwork.se