

### iBOX or iSENSE in Wireless WiFi network and with GPRS/3G ROUTER

The iBOX has several possibilities for connection:

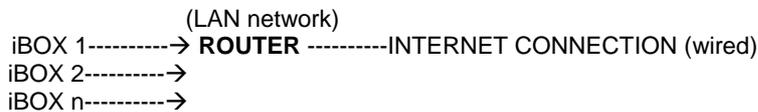
1. Direct to PC using a cross ethernet cable
2. Connection to a Local Area Network (LAN), via router
3. Connection to a Wireless Local Area network (WLAN)
4. Connection to a wide Area Network (WAN), via internet
5. Connection to a Wireless Wide Area Network (WWAN), using a wireless GPRS/3G router

For detailed instructions see the [iBOX manual](#) and online [demo of the webserver](#)

**For online inspection an optional local webcam may be installed and connected to the router (or via optional extra switch)**

Example of possible Structures: ---- = wired >>>>= wireless

#### A. Wired connection between iBOX and wired Router



The ROUTER is usually connected to internet, so in that case the **iBOX webserver is also available remote over the internet**, see online demo and instructions in the hardware manual of the iBOX., see [www.ekopower.nl](http://www.ekopower.nl)

When no wired internet connection is available, a GPRS/3G router can be used (Wireless WAN structure):



NOTES:

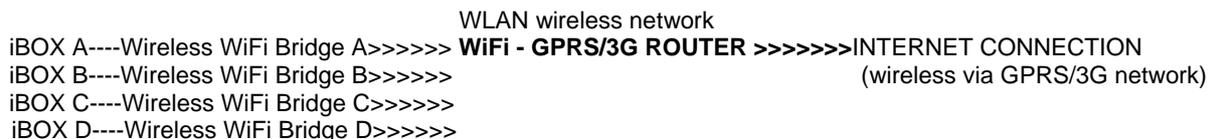
1. For remote applications an Ultra Low Power (ULP) version of the iBOX is available and the Router can be switched on at the time for communication (for saving energy);, so the system can operate with a battery or small solar module.
2. When a sim card is used with fixed ip address in the GPRS/3G Router, the webserver of the iBOX is available

#### B. Wireless network connection between iBOX and router

With Wireless connection between iBOX and ROUTER , using a wireless BRIDGE (also available for long ranges)



When no wired internet connection is available, a WiFi - GPRS/3G router can be used (Wireless WAN structure):



NOTES:

1. For remote applications an Ultra Low Power (ULP) version of the iBOX is available and the Bridge can be switched on at the time for communication (for saving energy);, so the system can operate with a battery or small solar module.
2. When a sim card is used with fixed ip address in the GPRS/3G Router, the webserver of the iBOX is available