

## DATASHEET

### USB Powered Repeater with Battery Back Up



**SKU:** IREP168010-USB-BAC

**Category:** Network Components

#### Description

#### Industrial USB Powered Wireless Repeater with Battery Back Up

When longer distances need to be bridged, the optional iQunet wireless Repeater (extender) can be used.  
The Repeater has a small footprint and can easily be attached to the wall or cabinet with the related clips. The Repeater can connect virtually to an **unlimited number** of sensors and is powered via a standard micro USB connection to a 110V/230V USB charger (type C included). This way, the wireless range of iQunet sensors is more than doubled.  
The Repeater has also 2 standard battery coin cells on board acting as an UPS (Uninterruptable Power Supply) to ensure data capturing, even under short main power break downs.

**Used in:** monitoring with iQunet wireless sensors in larger plants.

#### Technical specifications

- **Physical:**
  - **Dimensions (mm):** 57 x 47 x 14
  - **Weight:** 35g
  - **Case material:** thermoplastic
- **Installation:** clips (mounted to wall or cabinet)
- **Operating temperature:** -20°C to +70°C
- **Recommended storage temperature:** +30 °C maximum
- **Certifications:**
  - CE
  - FCC
  - KC
- **Wireless communications range:** up to 50 m typically in plant (actual range depends on specific site topology and device placement)
- **Power supply:** 5VDC, micro USB (CR2032 battery backup)
  - 2 x 3V (replaceable CR2032 battery) as battery fail over only
  - Optional: DIN RAIL power transformer or convertor
- **Power consumption:** maximum 20mA at 5VDC
- **Power connection:**
  - 1 m. micro USB cable (included) with quality USB charger 110V-230VAC, with mains plug (included)
- **Temperature sensor on board:** no
- **Compliance:**
  - RoHS: 2011/65/EU and 2015/863
  - EMC: EN 301 489-1 / EN 301 489-3
  - SPECTRUM: EN 300 220-2  
868.8 Mhz, Max. EIRP < 10dBm (<10mW)