

# Boomerang - Cloud node series

## Description

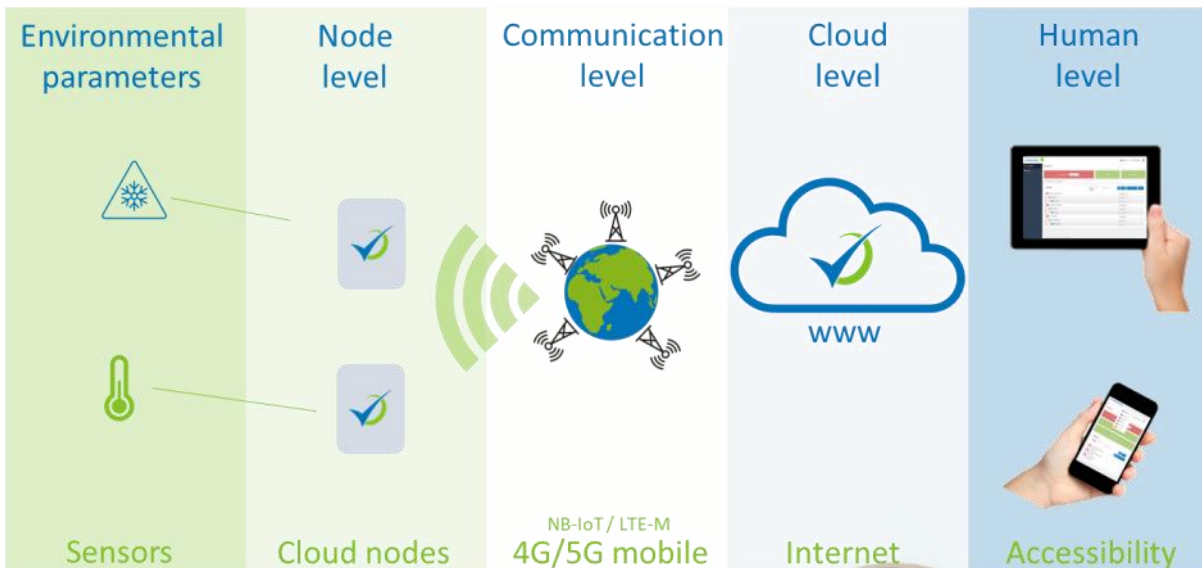
The Boomerang Cloud node series is a wireless communication concept for monitoring and logging of temperature in laboratories, pharmacies, health care centers and more; temperature down to  $-80^{\circ}\text{C}$ .

Cloud nodes are part of the IoT (Internet-of-Things) solution provided by Boomerang. The Cloud node enables an efficient way of achieving continuous monitoring and logging, also on singular and remotely located measuring points, such as: refrigerator in pharmacy stores, ultra freezer or refrigerator in health care centers, cold storage for vaccine etc.

All nodes are wireless, have a memory buffer and are battery powered. The nodes have a SIM card and communicate wireless via mobile networks all over the world (4G & 5G) to the Boomerang service.

## Applications

- Hospital laboratories
- Blood banks
- IVF / Infertility clinics
- Biotech laboratories
- Clinical laboratories
- Chemistry laboratories
- University laboratories
- Pharmaceutical producers
- Food producers
- Restaurants
- Dairies
- Catering facilities
- Pharmacies
- Cold logistics
- Cold storage
- Veterinary labs
- ...and much more



## BCN001 - Boomerang IoT node Pt100 Temperature

### Description

The BCN001 is a wireless Cloud node for continuous monitoring and logging of an external Pt100 Temperature sensor.

Cloud nodes connect directly to the Boomerang cloud solution via global mobile networks, like 4G and 5G. No additional communication infrastructure is required, which makes the Cloud nodes very useful and cost-efficient for remotely placed singular cold storage units e.g. refrigerators or freezers.

A Boomerang Cloud node continues to log temperature during grid outages regardless of how it is powered (battery or from the mains)

Cloud nodes are CE and FCC certified



### Technical data

Size (L×H×W)	124×28×60 mm
Battery life	Up to 3 years
Memory buffer	10 000 data records
4G/5G mobile	SIM card & subscription
Temperature range	$-80^{\circ}\text{C}$ to $+50^{\circ}\text{C}$ ( $\pm 0.5^{\circ}\text{C}$ )



# Boomerang - Cloud node Application examples



Refrigerator in health care centers



Vaccine cold storage

