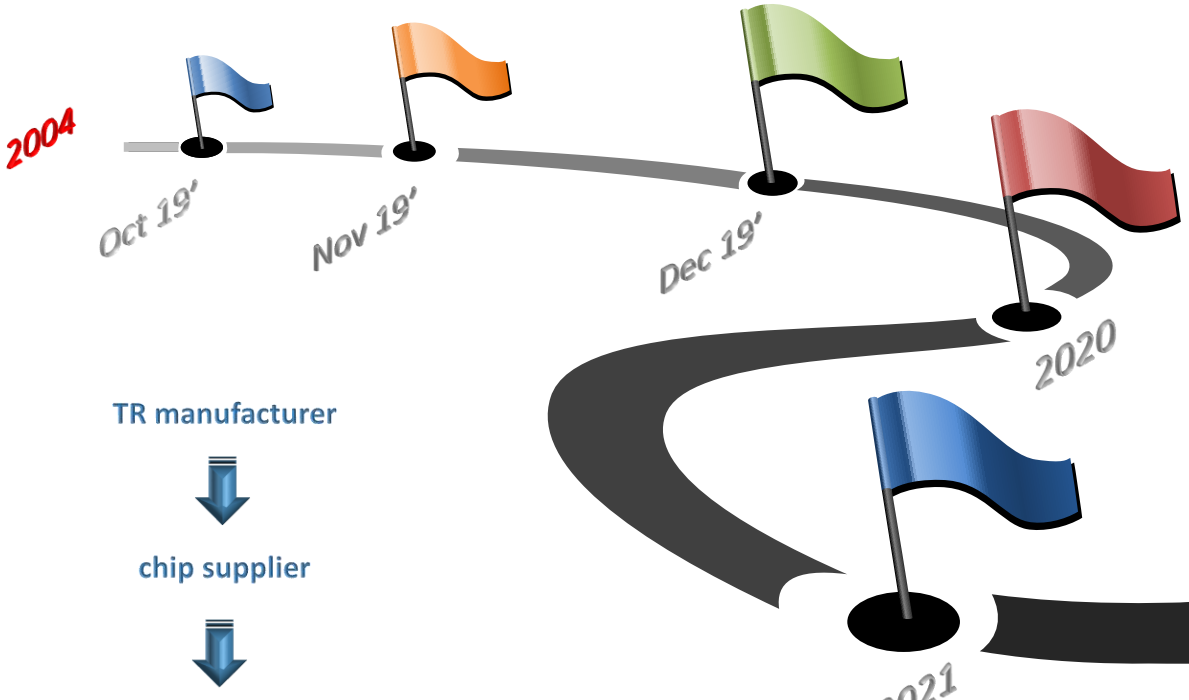
IQRF® simply connects devices to IoT through wireless mesh networks.

SECURITY
+ core functionality

TR-7xG

G1 chips

TR-8xG technology fully documented



TR manufacturer

chip supplier

open standard

FRAND
G3 chips


CE 15


P-IQD-TEMP-01
v1.01


(DC)IR-76DA
REED

Recognized technical limitations

NO (or not efficient) BIDIRECTIONAL COMMUNICATION:
- Cannot be used for control systems
- Maintenance issues, no remote configuration or upgrades
- Problem with security: no security updates available

NO ROUTING (= NO MESH SUPPORT)
- Not covering “difficult” areas (deep indoor, obstacles, …)

COMMUNICATION RANGE AND SPEED should fit to application

LIMITED POWER BUDGET for battery operated devices

LOW COMMUNICATION SPEED (LPWANs)
- higher power consumption
- higher latencies

Recognized legal limitations

OUTPUT POWER LIMITS
Increasing sensitivity to extend range = decreasing immunity to noise

VERY LOW COMMUNICATION SPEED
Legal limits for duty cycle disable more frequent communication
Limits number of packets per hour

Recognized application concerns

MATURITY and AVAILABILITY

The world (re)discovered beauty (and need) of wireless mesh networks.

Low power
assure years on a battery when needed
order less consumption per byte vs. LPWANs

Interoperability
integrators can easily combine all products
interoperability lever effect

Industrial reliability
thanks to unique IQMESH® routing protocol

Ultimate security
based on standards, automatic, multilayered

Technical uniqueness

huge IP is protected by 50+ patents and trademarks

Open and fully documented
every piece of hardware or software and all protocols

Simple adoption and integration
adding wireless connectivity to any device

Fast growing ecosystem
from protocols through products to any cloud

WHY IQRF®?

RELIABLE WIRELESS MESH

UNIQUE VALUE

EXCELLENT SPECS / FEATURES

Basic specs and features generate high application potential due to the excellent application fit, which is further multiplied by the unique technical solutions.

Smarter wireless. Simply.


INTEROPERABILITY
COMMUNITY
FREEDOM