

Cellular Twin – Connecting Products through NB-IoT

Enable products to send telemetry data to Azure IoT & IoT Central

grandcentrix

With over 160 permanent employees, grandcentrix is one of the most advanced IoT solution providers in the German IoT market specializing in Smart Home, Internet of Things and major digital projects.

The range of competences extends from developing specific hardware and connectivity solutions to cloud platforms, front- and backends and apps. All projects are carried out on Azure IoT using agile project management methods, solution architecture support and end-to-end cyber security consulting. Cellular Twin is a 100% grandcentrix product.

WHAT WE OFFER

The Cellular Twin is a **mass manufacturing-ready** all-in-one solution which **connects products to Azure IoT**. It can be used **worldwide** to drive IoT adoption in a very simple way. It consists of hardware, connectivity and cloud integration.

The connectivity is based on **Vodafone's global Narrowband IoT / LTE Cat M1** network and guarantees **secure** and **reliable** functionality even in remote regions or in basements.

The mainboard supports a **wide range of use cases** out of the box via a 15-pin connector and is also **extensible via daughterboards** (i.e. RS485, Modbus, S0, PLC). Its characteristics make it possible to replace expensive IoT gateway installations completely as it gets built into products directly. The firmware running on the hardware can be **updated** over-the-air despite NB-IoT limitations.

Cellular Twin sends telemetric data directly to any HTTP or MQTT endpoint, **natively supporting Azure IoT Hub or Azure IoT Central**.

We offer **competitive pricing** in **large quantities** and thus easily enable customers to connect their products to the internet who were not able to do this before.

IMPRESSIONS

