



Bi1- NB IoT Card

The NB-IoT Interface card (NBIC) is part of Network interface product series from Bimatix. It is specifically designed to help product manufacturers achieve seamless connectivity to NB-IoT network with fall back option to 2G. The additional 2G network makes the module versatile making it one module to fit for all Geographic areas.

The software inside is specially designed for electricity metering application but it can be customized for other applications. The module can act as a bridge between a data acquisition device and a NB-IoT network.

DLMS/COSEM is now a globally accepted standard for metering. It demands the system to be designed in a Server- Data concentrator model in which the meter acting as server.

The hardware modules are designed with small form factor, which in most of the cases eliminates the need for a mechanical chassis redesign.

Detail Specifications

NB-IoT support frequency bands: Band3/5/8

- GSM support frequency bands: GSM/GPRS 850/900/1800/1900 MHz
- GSM 2/2+ standard
- Class 4 (2W @850/900 MHz)
- Class 1 (1W @1800/1900 MHz)
- NB-IoT Output Power: 23dBm \pm 2dB

• GSM Output Power:

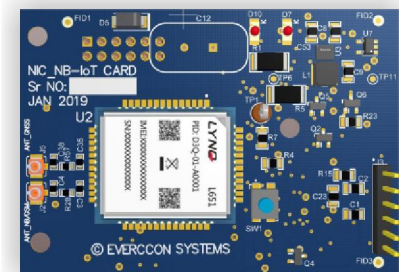
GSM850/GSM900 33dBm \pm 2dB

DCS1800/PCS1900 30dBm \pm 2dB

GSM850/GSM900 \leq -109dBm

DCS1800/PCS1900 \leq -108dBm

- Operation Temperature Range: -40 ~ +85
- Storage temperature range: -45 ~ +90
- Supply Voltage Range: 5V
- Weight: Approx 12g
- Support UDP/TCP/IP/MQTT/HTTP/CoAP/ TLS/LwM2M/OneNet/FOTA*



Applications

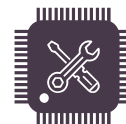
Smart metering
Water meters
Battery operated mass requirements
Sensor node

Our Advantages:

Local Support



In-House R&D



Reusable IP

