CLAIMS

1. A battery operated device (1) for transmitting data messages (100), said device (1) comprising:

- a low throughput network interface (10), adapted to send said data messages (100) to a cloud application (2) over a low throughput connection (3);
- an acknowledgement receiver (11), adapted to:
  - receive over said low throughput connection (3) an acknowledgment message (200) generated by said cloud application (2) and containing acknowledgement information for one or more of said data messages (100); and
  - interpret said acknowledgement message (200);

CHARACTERIZED IN THAT said battery operated device (1) further comprises an acknowledgement request generator (12) adapted to generate and send a request (101) over said low throughput connection (3) to said cloud application (2) for said acknowledgement message (200).

2. A battery operated device (1) according to claim 1, wherein said acknowledgement receiver (11) is further adapted to receive and interpret a single acknowledgement message (200) containing acknowledgement information for a plurality of said data messages (100).

3. A battery operated device (1) according to claim 1, wherein one of said data messages (100) comprises said request (101).

4. A battery operated device (1) according to claim 1, wherein said request (101) is one of said data messages (100).

5. A battery operated device (1) according to claim 1, wherein said device (1) further comprises:

- a message identity generator (13), adapted to generate a message identity (102) for each of said data messages (100);

and wherein:

- said cloud application (2) is further adapted to generate a configuration message (106) containing information indicative for configuration parameters and to send said configuration message (106) to said battery operated device (1);
- said battery operated device (1) is further adapted to generate a configuration acknowledgement message (107) containing acknowledgement information for said configuration message (106).

11. A method for transmitting data messages (100) from a battery operated device (1), said method comprising the steps of:

- sending said data messages (100) to a cloud application (2) over a low throughput connection (3) through a low throughput network interface;

CHARACTERIZED IN THAT:

- generating at the battery operated device (1) a request (101) for an acknowledgement message (200) indicative for receipt of one or more of said data messages (100);
- sending said request (101) for said acknowledgement message (200) to said cloud application (2) over said low throughput connection (3); and
- receiving said acknowledgement message (200) over said low throughput connection (3) at the battery operated device (1) and interpreting acknowledgement information contained therein.

12. A computing system for hosting a cloud application (2) for receiving data messages (100) sent by a battery operated device (1) over a low throughput connection (3), said cloud application (2) comprising:

- a low throughput network interface (20), adapted to receive said data messages (100) from the battery operated device (1) over the low throughput connection (3);
- an acknowledgement generator (21), adapted to generate and send to the battery operated device (1) an acknowledgment message (200) containing acknowledgement information for one or more of said data messages (100) over said low throughput network (3);

CHARACTERIZED IN THAT said cloud application (2) further comprises an acknowledgement request receiver (22) adapted to receive a request (101) over said

low throughput network (3) from the battery operated device (1) for said acknowledgement message (100) and wherein said acknowledgement generator (21) is further adapted to generate said acknowledgement message (200) only upon receipt of said request (101).

13. A cloud application (2) according to claim 12, wherein said acknowledgement generator (21) is further adapted to generate a single acknowledgement message (200) containing acknowledgement information for a plurality of said data messages (100).

14. A cloud application (2) according to claim 12, wherein said cloud application (2) comprises:

- a message identity extractor (23) adapted to extract a message identity (102) from each received data message (100);
- a request interpreter (24) adapted to interpret said request (101) and learn for which data message (100) acknowledgement is requested;

and wherein said acknowledgement generator (21) is further adapted to generate an acknowledgement message (200) for data messages received.

15. A cloud application (2) according to claim 12, wherein said cloud application (2) further comprises a device acknowledgement message receiver (25) adapted to receive a device acknowledgement message (104) generated by said battery operated device (1) containing acknowledgement information for said acknowledgement message (200).

16. A cloud application (2) according to claims 15, wherein said cloud application (2) is further adapted to:

- store a first message identity count value (103);
- store a first acknowledgement message (200) sent to said battery operated device (1) corresponding to said first message identity count value (103);
- upon reception of a second request (101) from said battery operated device (1) comprising a second message identity count value (103), send said first acknowledgement message (200) back when said second message identity

count value (103) does not differ from said first message identity count value (103); and

- upon reception of a second request (101) from said battery operated device (1) comprising a second message identity count value (103), extract said message identities (102) of said data messages (100) received and generate a second acknowledgement message (200) when said second message identity count value (103) differs from said first message identity count value (103).

17. A cloud method for receiving data messages (100), said method comprising the steps of:

- receiving said data messages (100) sent by a battery operated device (1) over a low throughput connection (3) at a cloud application (2) through a low throughput network interface;
- receiving a request (101) over said low throughput connection (3) from the battery operated device (1) at the cloud application (2) for an acknowledgement message (200) containing acknowledgement information for one or more of said data messages (100);
- generating said acknowledgement message (200) at the cloud application; and
- sending said acknowledgement message (200) over said low throughput connection (3) to the battery operated device (1).