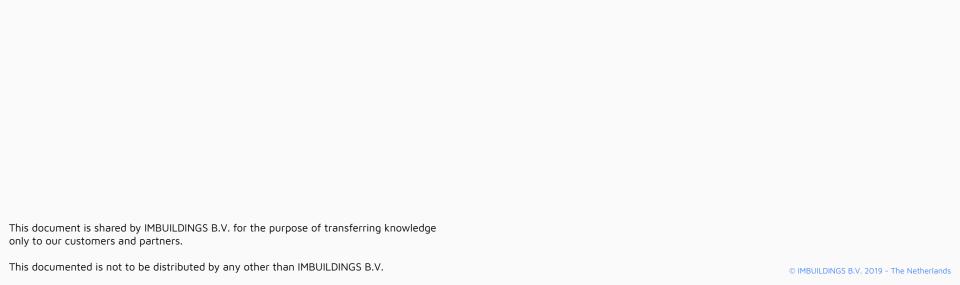


# Payload structure

For IMBUILDINGS (NB-)IoT/LoRaWAN Products



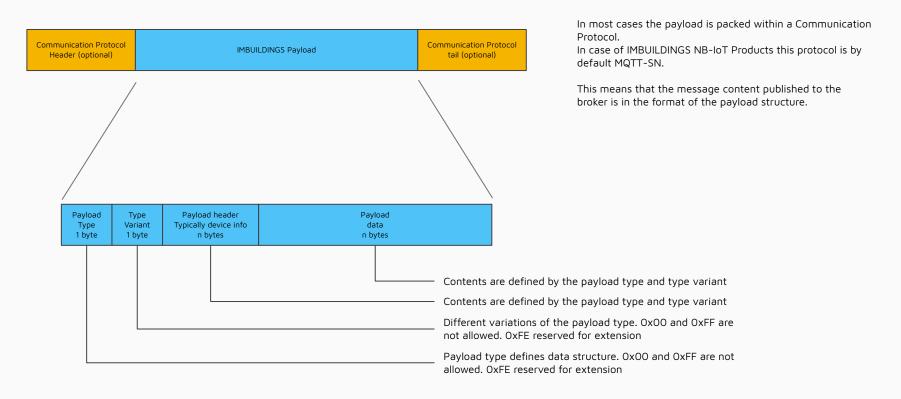
#### Introduction

To maximize the performance of IMBUILDINGS NB-IoT, IoT and LoRaWAN products, a lean data payload structure is used.

This document describes the structure and the available payload setups of different products.

**Note** since v1.6 of this document the keyword Type Version is changed to Type Variant. This is only a naming convention, there are no changes in structures or values.

### Payload Structure

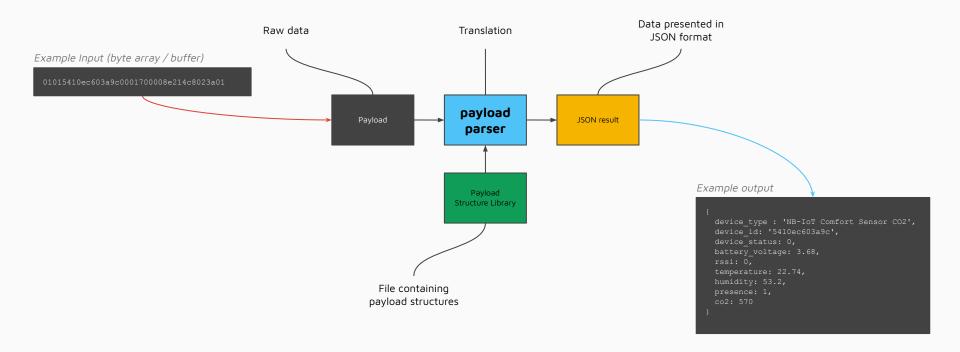


## People Counter

### Type: 2, Variant 6 - LoRaWAN People Counter

Section	Size in bytes	[Index] Structure / values
Payload Type	1	[0] 0x02
Type Variant	1	[1] 0x06
Payload Header	11	[2] Device ID : 8 bytes [10] Device Status : 1 byte (unsigned) [11] Battery Voltage : 2 bytes (int16 unsigned)
Payload	10	[13] Counter A : 2 bytes unsigned int16 (relative count value) [15] Counter B : 2 bytes unsigned int16 (relative count value) [17] Sensor Status : 1 byte bitwise [18] Total Counter A : 2 bytes unsigned int16 [20] Total Counter B : 2 bytes unsigned int16 [22] Payload Counter : 1 byte (unsigned)

### Example payload parser



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