

PAYLOAD DECODER NYX SERIE

```
function decodeUplink(input) {

    var decoded = {};
    var bytes = input.bytes;

    if (input.fPort == 1) { //TELEMETRY

        //decode header
        decoded.base_id = bytes[0] >> 4;
        decoded.major_version = bytes[0] & 0x0F;
        decoded.minor_version = bytes[1] >> 4;
        decoded.product_version = bytes[1] & 0x0F;
        decoded.up_cnt = bytes[2];
        decoded.battery_voltage = ((bytes[3] << 8) | bytes[4]) / 1000.0;
        decoded.internal_temperature = ((bytes[5] << 8) | bytes[6]) / 10 -

100;
        decoded.networkBaseType = 'lorawan';
        decoded.networkSubType = 'tti';
        var it = 7;
        if (decoded.major_version >= 1) {
            it = 7;
            //Luftfeuchte ist bei allen Varianten enthalten
            decoded.humidity = bytes[it++];
            decoded.dew_point = ((bytes[it++] << 8) | bytes[it++]) / 10 -

100;
            decoded.alarm_level = bytes[it++]; //Alarm-Level, entspricht
            grün, gelb, rot

            if (decoded.product_version & 0x01) { // Lux Sensor
                var raw_lux = (bytes[it++] << 8 | bytes[it++]);
                // decoded.lux_status = raw_lux != 0xffff ? 0 : 1; //raw
                value is 0xFFFF in case of error
                decoded.lux = (1 << (raw_lux >> 12)) * (raw_lux & 0x0FFF) *

0.01;
            }

            if (decoded.product_version & 0x04) { // Has Bme688 Sensor
                decoded.bme_status = bytes[it++];
                decoded.pressure = (bytes[it++] << 8 | bytes[it++]);
                if (decoded.product_version & 0x02) { // Has IAQ Feature
                    decoded.iaq_status = bytes[it++];
                    decoded.iaq_index = (bytes[it++] << 8 | bytes[it++]);
                }
            }
        }
    }

    return {
        data: decoded,
        warnings: [],
        errors: []
    };
}
```