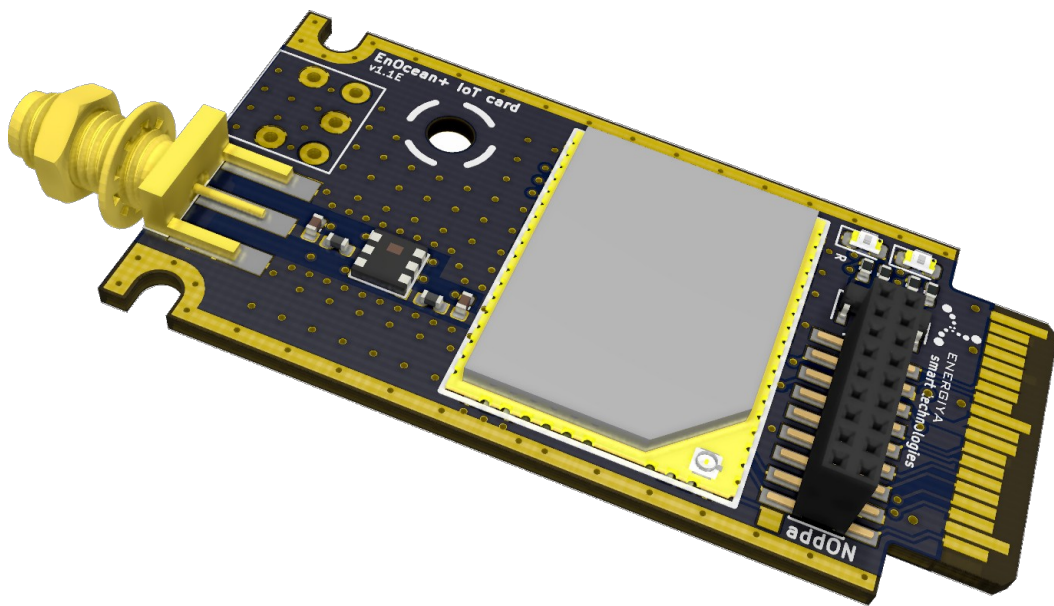


ENERGIYA

EnOcean IoT Card

SOFTWARE DOCUMENTATION



Typedefs

```
typedef struct le_EnOcean_OnReceiveHandler* le_EnOcean_OnReceiveHandlerRef_t;
```

```
typedef void (*le_EnOcean_HandlerRefFunc_t)(  
    uint8_t PacketType,  
    const uint8_t* DataPtr,  
    size_t DataNumElements,  
    void* contextPtr);
```

Functions

```
le_result_t le_EnOcean_SendData(uint8_t PacketType, const uint8_t* DataPtr,  
size_t DataNumElements, const uint8_t* OptionalDataPtr, size_t OptionalDataNumElements);
```

```
le_EnOcean_OnReceiveHandlerRef_t le_EnOcean_AddOnReceiveHandler(le_EnOcean_HandlerRefFunc_t  
handlerPtr, void* contextPtr);
```

```
void le_EnOcean_RemoveOnReceiveHandler(le_EnOcean_HandlerRefFunc_t addHandlerRef);
```

Detailed Description

Typedef Documentation

```
typedef struct le_EnOcean_OnReceiveHandler* le_EnOcean_OnReceiveHandlerRef_t;
```

Reference type used by Add/Remove functions for EVENT 'le_EnOcean_OnReceive'

```
typedef void (*le_EnOcean_HandlerRefFunc_t)(  
    uint8_t PacketType,  
    const uint8_t* DataPtr,  
    size_t DataNumElements,  
    void* contextPtr);
```

Add handler function for EVENT 'le_EnOcean_OnReceive'.
This event provides reading from EnOcean gateway.

Parameters

- [out] PacketType – Packet type.
 - [out] DataPtr – Received data.
 - [out] DataNumElements – Data length.
 - [out] contextPtr
-

Function Documentation

```
le_result_t le_EnOcean_SendData(uint8_t PacketType, const uint8_t* DataPtr,  
size_t DataNumElements, const uint8_t* OptionalDataPtr, size_t OptionalDataNumElements)
```

Send data to EnOcean gateway.

Returns

LE_OK	Successful.
LE_BUSY	Gateway overloaded.

Parameters

[in] PacketType	Packet type.
[in] DataPtr	Data to send.
[in] DataLen	Data length.
[in] OptionalDataPtr	Optional data to send.
[in] OptionalDataLen	Optional data length.

```
le_EnOcean_OnReceiveHandlerRef_t le_EnOcean_AddOnReceiveHandler(le_EnOcean_HandlerRefFunc_t  
handlerPtr, void* contextPtr);
```

Add handler function for EVENT 'le_EnOcean_OnReceive'.
Register a callback function which returns data from gateway.

Returns

[out] HandlerRef

Parameters

[in] handlerPtr	Handler to a function.
[in] contextPtr	

```
void le_EnOcean_RemoveOnReceiveHandler(le_EnOcean_HandlerRefFunc_t addHandlerRef);
```

Remove handler function for EVENT 'le_EnOcean_OnReceive'

Parameters

[in] addHandlerRef
