

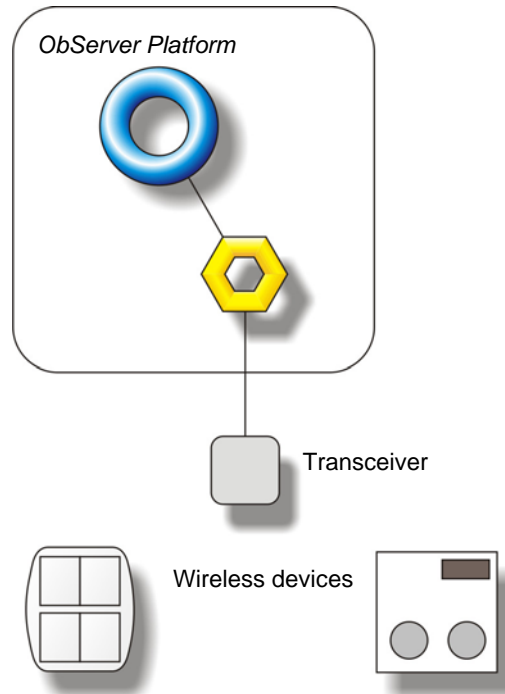
# Product Engineering Guide

## OSM v20 EnOcean v10

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### Introduction

The *EnOcean* OSM links a wireless network of EnOcean Input and output modules (via a RS232 Transceiver module) to ObServer. Up to 250 nodes can be accessed from the OSM.



### Supported Range

North tested the EnOcean system using an EnOcean transceiver (FCopt153/2), however various companies make EnOcean compatible devices like Ratio (Omino), EasyClick (Peha), gesis RC (Wieland) and EasySens (Thermokon).

### Notes

The EnOcean system does not report alarms to ObServer. If alarms are needed then an AlarmGen device will be required.

The EnOcean system does not provide logging facilities to ObServer. If logging of values is needed then a Data Manager application will be required.

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## **Engineering**

### **Step 1 – Install OSM**

The EnOcean OSM is installed automatically with all ObSys editions. Refer to the 'ObSys CD sleeve' for details on how to install ObSys.

### **Step 3 – Connect COM Port to Transceiver Module**

Using cable, connect the EnOcean Transceiver Module to a COM port of the PC. Refer to the section 'Cable' below for details of the cable.

### **Step 4 – Plug in EnOcean OSM to ObServer**

Use object engineering software to locate the ObServer Setup object. Assign the EnOcean OSM to an available channel. Refer to ['ObServer v20 Application Engineering Guide'](#).

Note: After inserting the OSM, your engineering software may need to re-scan the ObServer object in order to view the OSM.

### **Step 5 – Configure EnOcean OSM**

The COM port and node types are configured using objects. Use object engineering software to view and modify the module objects within the OSM.

### **Step 5 – Pair devices EnOcean OSM**

Pair devices with nodes within the EnOcean System. Each device requires too go through a 'learn' process which is specific to each device type. (see EnOcean device documentation)

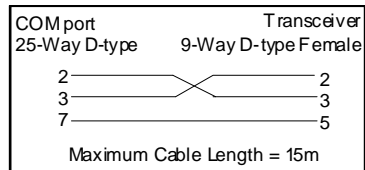
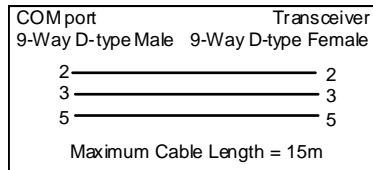
### **Step 6 – Access Objects within the EnOcean System**

Values from the EnOcean system are made available as objects from ObServer. Any object software that is connected to the ObServer can access these objects.

# Engineering Reference

## Cable Specification

The cable between COM port an EnOcean transceiver (FCEnoIOM2) is as follows:



## Objects

When the OSM is loaded the following objects are created within ObServer, use object software to access these objects.

Object <sup>[1]</sup>	Label	R/W	Type
Sc	EnOcean System connected to channel <i>c</i>	-	[EnOcean v10/System] <sup>[2]</sup>
Mc	EnOcean Module connected to channel <i>c</i>	-	[OSM v20\EnOcean v10]

### Notes

- [1] The ObServer channel number, *c*, is a number in the range 1...40.
- [2] This object has a variable content and as such requires scanning.