

## Transceiver Module TCM 310F

TCM 310F enables the realization of gateways for EnOcean 868 MHz FSK radio systems.

It provides a bi-directional radio interface at one end and a bi-directional serial interface at the other end.

Radio messages are sent transparently through the serial interface in both directions from and to an externally connected host processor or host PC.

TCM 310F implements all required gateway functionality. It is not user (API) programmable.



### Features

- Transparent radio channel
- Serial interface according to ESP3 (EnOcean Serial Protocol V3) standard

### Features overview

<b>Antenna</b>	External whip or 50Ω antenna mountable
<b>Frequency</b>	868.3 MHz
<b>Data rate/Modulation type</b>	125 kbps / FSK
<b>Receiver Sensitivity (at 25°C)</b>	typ. -98 dBm
<b>Conducted Output Power</b>	typ. 3 dBm
<b>Power Supply</b>	2.85...3.5V
<b>Serial Interface</b>	UART
<b>Current Consumption</b>	Receive mode: 33 mA Transmit mode: 24 mA
<b>Dimensions of PCB</b>	22x19x3 mm
<b>Operating temperature</b>	0 to +65°C