### 2.4 GHz IEEE 802.15.4 Transceiver TCM 515Z

TCM $515 Z$ enables the realization of transparent transceiver gateways and for EnOcean systems communicating based on the $\mathbf{2 . 4} \mathbf{G H z}$ IEEE 802.15.4 radio standard.

TCM $515 Z$ provides a transparent radio link between EnOcean 2.4 GHz devices and an external host connected via the standardized ESP3 interface (EnOcean Serial Protocol V3).

TCM 5152 receives and transmits radio telegrams based on a whip antenna connected to the host PCB.

TCM 515Z forwards received 2.4 GHz IEEE 802.15.4 radio telegrams to an externally connected host processor or host PC via the ESP3 interface.

IEEE 802.15.4 messages received from an external host via the ESP3 interface will be transmitted by TCM 515 Z as 2.4 GHz radio telegrams.


The ESP3 interface of TCM $515 Z$ provides the option to select a higher ESP3 interface speed (460.800 Bit per second).

TCM $515 Z$ is implemented as 31 pin reflowsolderable module in an optimized form factor to enable size constrained applications.

> TYPE
> TCM $515 Z$

Features overview

| Antenna | External 50 Ohm or whip antenna (connected at host |
| :--- | ---: | ---: |
| board) |  |

Note (1): RX sensitivity based on the combination of 3 subtelegrams

