

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China









Sensor Transmitter Module STM 330 / STM 331 / STM 330C STM 332U / STM 333U

The extremely power saving RF transmitter module family STM 33x of EnOcean is optimized for realization of wireless and maintenance free temperature sensors, or room operating panels including set point dial and occupancy button with a minimum number of external components. The module provides an integrated calibrated temperature sensor.

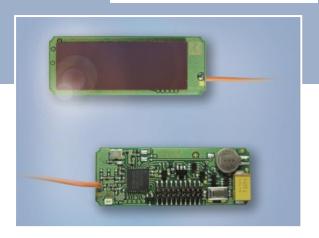


Power supply is provided by a small pre-installed solar cell, an external energy harvester, or an external 3V battery.

An energy storage element is installed to bridge periods with no supply from the energy harvester. The module provides a user configurable cyclic wake up.

After wake up a radio telegram will be transmitted in case of a significant change of measured temperature or set point values or if the external occupancy button is pressed.

In case of no relevant input change a redundant retransmission signal is sent after a user connfig-



Type
STM 330
STM 331
STM 330C
STM 332U
STM 333U

Ordering Code S3001-D330 S3001-D331 S3031-D330 S3051-D332 S3051-D333

urable number of wake-ups to announce all current values.

The firmware can be configured to use different EEPs according to feature availability.

Additionally the STM 330 and STM 331 in 868

MHz include the enhanced secure mode. In enhanced secure mode the communication is protected by enhanced security features e.g. encryption.

Features Overview

Due installed calculation
Pre-installed solar cell
pre-installed whip or helix antenna
/ 315.0 MHz (STM 330C) / 902.875 MHz (STM 33xU)
STM 330 / 331: typ. 8 dBm / 5 dBm (EIRP) 333U: typ 92 dBμV/m / typ. 101 dBμV/m / 99 dBμV/m
125 kbps / ASK
typ. <2.5 min @ 400 lux, 25 °C
typ. 4 days, if energy storage fully charged up every 100 s, transmission every 1000 s on average
Internal: temperature sensor, LRN button connector: occupancy button, set point dial, HSM 100
Measurement range 0-40 °C, resolution 0.16 K en 17 °C and 27 °C, typ. ± 1 K between 0 °C and 40°C
1x LED
rable EEPs: A5-02-05, A5-02-30, A5-10-05, A5-10-03 and with HSM 100: A5-04-01, A5-10-10, A5-10-12
43 x 16 x 8 mm
-20 up to +60 °C

¹ Full performance is achieved after several days of operation (up to two weeks) at good illumination level. Performance degrades over life time, especially if energy storage is exposed to higher temperatures. Each 10 K drop in temperature doubles the expected life span.