CMi4111

Integrated meter module for L+G T230/T330, LoRaWAN

CMi4111 is an integrated LoRaWAN module for Landis+Gyr T230 and T330 to deliver meter data to a receiving server via a LoRaWAN network. CMi4111 together with the meter has 11 years of battery life, is energy-efficient and has a long communication range. CMi4111 is easily configured through Elvaco OTC app (via NFC). With CMi4111, Elvaco offers a meter communication module designed for customers that require a user-friendly and cost-effective solution.



Technical specification

Mechanics

Dimensions (w x h x d)	58 x 36 x 9 mm
Mounting	Module slot in Landis+Gyr T230/T330
Weight	10 g

Electrical connections

Supply voltage	Internal meter battery, lifetime up to 11 years

Electrical characteristics

Nominal voltage	3.0 VDC
Power consumption (max)	50 mA
Power consumption (sleep mode)	~2.5 µA

Environmental specifications

Operating temperature	+5 °C to +55 °C
Operating humidity	0 to 93 % RH, no condensation
Operating altitude	0-2000 m
Pollution degree	Degree 1
Usage environment	Indoors
Storage temperature	-20 °C to +60 °C

Radio characteristics

Frequency	868 MHz
Output power	14 dBm
Receiver sensitivity	-135 dBm

LoRaWAN characteristics

Device class	Class A, Bi-directional
LoRA version	1.0.2
Activation	OTAA or ABP
Data rate	DR0-DR5 (250-5470 bit/s)

User interface

Configuration	NFC via Elvaco OTC app or downlink data

Approvals

LoRa Alliance®	LoRaWAN® Certified
EMC	EN 301489-1, EN 301489-3

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