CMi4130

Integrated meter module for Itron CF 51/55/ECHO II, **LoRaWAN**

CMi4130 is mounted inside an Itron CF 51/55/ECHO II to deliver meter data to a receiving server via a LoRaWAN network. The product has 11 years of battery life, is energy-efficient, has a long communication range and is easily retrofitted inside an already deployed meter. CMi4130 is easily configured through Elvaco OTC app (via NFC). With CMi4130, Elvaco offers a meter communication module designed for customers that require a user-friendly and cost-effective solution.



Class A, Bi-directional

DRO-DR5 (250-5470 bit/s)

Start-up / supercap indicator

Start-up/reboot/switch-off indicator

1.0.2

OTAA or ABP

Technical specification

Mechanics

Mechanics		Radio characteristics	
Dimensions (w x h x d)	93 x 67 x 20 mm	Frequency	868 MHz
Mounting	Itron CF 51/51/ECHO II module slot	Output power	14 dBm
Weight	36 g	Receiver sensitivity	-135 dBm
External antenna connection	SMA-female		
		LoRaWAN characteristics	

Electrical connections

Supply voltage

Device class Battery, life span up to 11 years (with LoRA version EcoMode)

Electrical characteristics

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

Environmental specifications

Environmental specifications		Push button	
Operating temperature	+5 °C to +55 °C	Push button	Start-up / reboot / switch off module
Operating humidity	0 to 93 % RH, no condensation	Configuration	NFC via Elvaco OTC app or downlink data
Operating altitude	0-2000 m		
Pollution degree	Degree 1	Approvals	
Usage environment	Indoors	LoRa Alliance®	LoRaWAN® Certified
Storage temperature	-20 °C to +60 °C	EMC	EN 301489-1, EN 301489-3

Activation

Data rate

Green LED

Red LED

User interface

