

Landis + Gyr LoRa Module



Part Code	Name	Meter	Output
EL410DC	Elvaco CMi4110 L+G UH50 LoRa MCM	L+G UH50	LoRa

The rapid growth of IoT ("Internet of things") has resulted in new communication techniques, specifically developed to meet the growing demand of high energyefficiency and long range. LoRaWAN is one such technique. CMi4110 is mounted inside a L+G UH50/UC50 to deliver meter data to a receiving server via a LoRaWAN network. The product is energy-efficient (battery-life of at least 11 years), has a long communication range (up to 25 km) and is easily retrofitted inside an alreadydeployed meter. With CMi4110, Elvaco offers an MCM designed for customers that require a cost-effective solution with lesser demand for bandwidth.



Features:

- Suitable for L+G UH50/UC50 meters
- LoRa Output
- Battery Powered 11 Years



Meter Data Management

Billing Solutions

PAYG Management

Online Account Management

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Technical Datasheet Landis + Gyr LoRa Module



Technical Specification				
Mechanics				
Protection Class	IP 54			
Dimensions (w x h x d)	80 x 32 x 23 mm			
Mounting	In Landis+Gyr UH50/UC50 module slot 2			
Weight	35 g			
Electrical connections				
Supply voltage	Internal meter battery (D cell) or PSU (Elvaco CMip2110 230V, L+G WZU-AC230- xx or WZU-ACDC24-00)			
Electrical characteristics				
Nominal voltage	3.0 - 5.0 VDC			
Power consumption (max)	40 mA			
Power consumption (sleep mode)	2,2 μΑ			
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	DRO-DR5 (250-5470 bit/s)			
User Interface				
Green LED	Status			
Red LED	Error			
Push button	Start-up / reboot / switch off device			
Configuration	NFC via Elvaco OTC app or downlink data			
Approvals				



Wired Networks

Wireless Networks

IoT Technologies

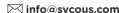
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 EMC







EN 301489-1, EN 301489-3