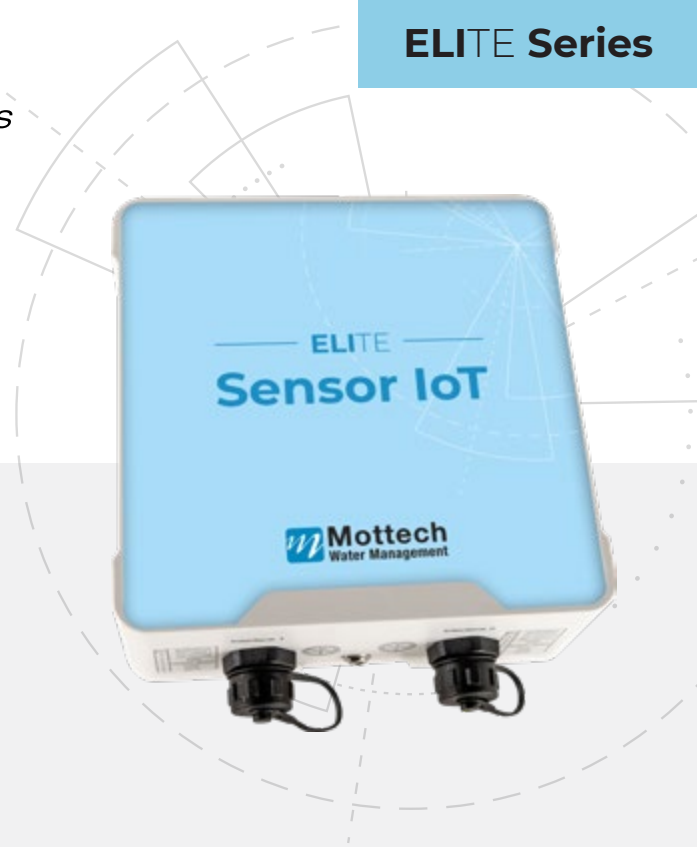**Mottech Parkland**

MOTOROLA SOLUTIONS

ELITE
Sensor IoT

The ELITE Sensor IoT is based on LoRaWAN® technology communication and is used to collect information from various types of sensors and meters deployed in remote areas.

The ELITE Sensor IoT is equipped with two analog inputs and two digital inputs and allows the user of the Mottech control system to receive more information on the ICC PRO platform from distant locations and more cheaply

For outdoor applications, the Sensor IoT provides flexible power like built-in solar panel or high-capacity battery and is equipped with an IP67-rated enclosure and M12 connectors to protect itself from water and dust in harsh environments.

Features

Long transmission distance up to 12 km (7.4 miles) with line of sight

Waterproof design including IP67 case and M12 connectors

Solar powered and built-in battery optional

Quick wireless configuration via NFC

Compliant with standard LoRaWAN® gateways and network servers

Quick and easy management with the ICC PRO Server

Specifications

Wireless Transmission	
Technology	LoRaWAN®
Frequency	CN470/IN865/EU868/RU864/US915/AU915/KR920/AS923-1&2&3&4
Tx Power	16dBm (868 MHz)/20dBm (915 MHz)/19dBm (470 MHz)
Sensitivity	-137dBm @300bps
Work Mode	OTAA/ABP Class A, *Class C (only in solar panel version)
Data Interfaces	
Interface Type	M12 A-Coded Male
IO	
Ports	2 × GPIO
Logical Level	Low: 0~0.9 V, High: 2.5~3.3 V
Maximum Current	20 mA
Work Mode	Digital Input, Digital Output, Pulse Counter
Serial Port	
Ports	1 × RS232 or RS485 (Switchable)
Baud Rate	1200~115200 bps
Protocol	Transparent (RS232), Modbus RTU (RS485)
Analog Input	
Ports	2 × Analog Input
Resolution	12 bit
Input Range	4~20 mA or 0~10 V (Switchable)
Power Output	
Ports	2 × 3.3 V@Max 300mA, 2 × 5/9/12 V @Max 200 mA (Switchable)
Operation	
Power On & Off	Mobile App (via NFC), PC Software (via USB Type-C), Power Button (Internal)
Configuration	Mobile App (via NFC) or PC software (via USB Type-C)
Physical Characteristics	
Power Supply	W/O solar panel: 5-24 VDC, 3 × 9000 mAh replaceable Li-SOCl2 battery With solar panel: 5-24 VDC, 2 × 2550 mAh chargeable battery Solar panel powered: 5 V/1.6 W
Power Connector	1 × M12 A-Coded Male Interface
Operating Temp.	-20°C to +60°C
Ingress Protection	IP67
Dimension	116 × 116 × 45.5 mm (4.56 × 4.56 × 1.79 in)
Installation	Wall or Pole Mounting
Part Numbers	SEN.868.A/SEN.868.S/SEN.915.A/SEN.915.S/SEN.470.A/SEN.470.S *S=Solar panel versions