

# SENSE

## Smart Sensor for Wide Area Presence Detection

SENSE is a compact presence detection device utilizing LoRa technology, designed to operate either the HUB or MINI HUB, providing extensive area coverage up to a 3 km radius. SENSE extends its coverage and reliability by utilizing multi-hop communication between devices. Featuring 2 PIR sensors and Edge AI, SENSE detects the presence of humans, animals, or vehicles. Evaluates signals and sends data to the HUB or MINI HUB without the need for Satellite or GSM Network, relying solely on LoRa for data transmission.



### TECHNICAL SPECIFICATIONS

PARAMETERS	SPECIFICATIONS	PARAMETERS	SPECIFICATIONS
Weight <sup>1</sup>	300 g	Data Transmission	LoRa
Dimension	55x95x55 mm	Wake-up Method	PIR and LoRa
Power Source	2 x Li-ion 18650 Rechargeable Batteries (Internal)	Illumination	Infrared (IR) LED (Invisible)
Operation Time <sup>2</sup>	180 days	Data Encryption	AES - 256
Operating Temperature	-20 to +50 °C	Wake-up Range	~18 m
Ingress Protection Class	IP67	Coverage <sup>3</sup>	~3 km

<sup>1</sup> May vary depending on configuration. <sup>2</sup> Operation time depends on battery capacity and number. <sup>3</sup> Coverage area varies according to the Line of Sight.