



packet**SENSE** Smoke

The **packetSENSE Smoke** is an advanced IoT-enabled smoke detector utilizing LoRaWAN® technology and photoelectric sensing for precise and reliable smoke detection. Engineered for ease of use, its two-part design (sensor head and mounting base) allows quick installation and convenient sensor replacement without removing the entire unit.

Upon smoke detection, the device triggers audible and visual alarms for immediate hazard notification. Designed for low power consumption, it delivers a battery life of over three (3) years, ensuring dependable, long-term protection.

Ideal for residential, commercial, and industrial applications, the packetSENSE Smoke provides enhanced safety and peace of mind through continuous, real-time monitoring.

Features

- **Audible and visual alarms** for instant smoke detection alerts
- **LoRaWAN®-compatible**, optimized for IoT network integration
- **Low-power** design with long battery life for extended operation
- **Compact, easy-to-install** structure with replaceable sensor head

Applications

- **Residential buildings** and condominiums
- **Commercial offices** and retail spaces
- **Industrial facilities** and warehouses
- **Schools** and institutional buildings
- **Real estate** developments and smart villages

Technical Specification

LoRa

Device	S76S
Integrated MCU	STM32L073xZ
Integrated RF IC	SX1276

RF

Frequency	868Mhz
Antenna	Internal
Modulation	LoRa

General Device Specifications

Sound Level	> 80 dB (at 3m)
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General Device Specifications

Frequency Bands	CN470/EU868
	US915/AS923/AU915
	KR920-923/IN865-867/RU864-870
Protocol	LoRaWAN®
Maximum Transmit Power	> 80 dB (at 3m)
Operating Current	8mA
Rx Sensitivity	-140 dBm (SF12)

General Device Specifications

Dimension	149.5 x 46.0 mm
Working Humidity	5% - 95%
Working Temperature	-10°C to +50°C

Power Specifications

Dimension	2 pcs - Alkaline Battery (AA)
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LoRa Alliance Member

packetworx
WE CONNECT THINGS

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