

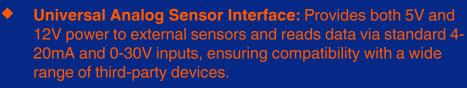


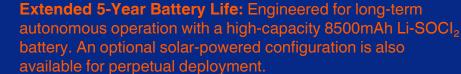
INDUSTRIAL ANALOG SENSOR END NODE

0~20mA and/0~30V Analog Input

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Rapid & Secure Onboarding: Pre-provisioned with unique keys enabling simple, out-of-the-box registration and automatic connection for fast and secure network onboarding.



The ioX-Connect LoRaWAN Analog Sensor is a versatile end node designed to bridge third-party analog sensors with your IoT network. It provides switchable 5V and 12V power outputs to connected devices while monitoring standard analog signals through its 4-20mA and 0-30V inputs. Engineered for long-term, remote deployments, the sensor is powered by a high-capacity 8500mAh Li-SOCl, battery (or optional solar) for up to 5 years of autonomous operation. Management is simplified with wireless Over-the-Air (OTA) updates, and each node is pre-provisioned with unique keys for rapid, secure onboarding to the ioX-Connect platform.

TECHNICAL FEATURES

- LoRaWAN Version: v1.0.3, Class A
- Supply Voltage: Built-in Battery , 2.5v ~ 3.6v
- Power Options: 8500mAh Li-SOCI2 or Solar Powered 3500mAh option
- Self-Discharge: <1% / Year @ 25°C for 8500mAh Li-SOCI2 battery
- Operating Temperature: -40 ~ 85°C
- Downlink Configuration: Remotely configurable via ioX-Connect platform or ioX-LoRaWAN Network Server

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- Firmware Updates: Wireless OTA (Over-The-Air) firmware upgrade capability
- Supported Frequency Bands: CN470, EU433, KR920, US915, EU868, AS923, AU915, IN865, RU864
- Input: 1 x 0~20mA input, 1 x 0~30v input
- Output: 5v or 12v output to power external sensor





