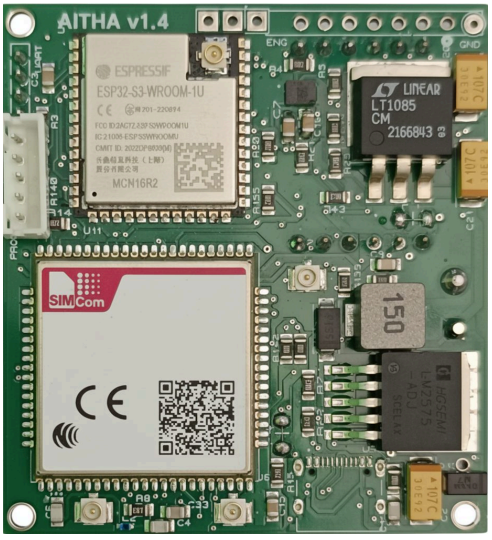
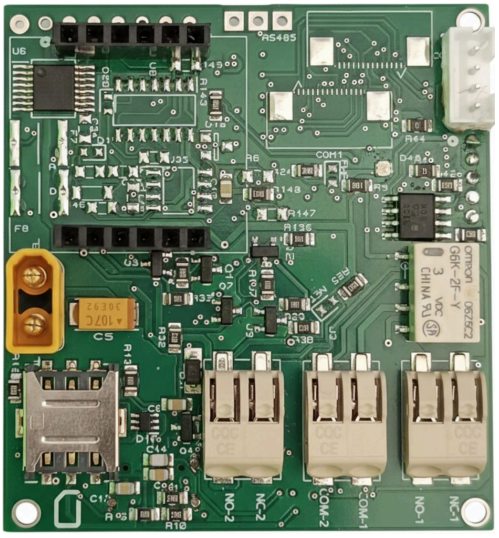
TECHNICAL DATASHEET

Router LoRa

Dedicated LoRa router for linking light points





Type:	Technical datasheet
Product:	Router LoRa
System:	AITHANEX
Audience:	Engineering, installation, integration and support
Document version:	1.0
Revision date:	2026-10-04

Product type

Dedicated LoRa router for linking light points.

Role within the system

Router LoRa concentrates LoRa communication and sends data to the platform over 4G, Ethernet or Wi-Fi.

Technical specifications

Parameter	Value
LoRa radio	EByte E22 or E220 module, multi-band LoRa radio, 868 MHz (EU) or 915 MHz (Americas), configurable by region
LoRa antenna	8 dB
Connectivity to AITHANEX or customer backend	4G LTE Cat-1 (SIMCom A7670/A7672, multi-band) / Ethernet / Wi-Fi
SIM	Yes
eSIM	Yes
Additional connectivity	RS485
Enclosure	Outdoor box with door (optional)
Luminance meter integration	Yes (optional)
IP	65
IK	8
4G antenna	Yes
Wi-Fi antenna	Yes

Typical applications

- Lighting or sensing networks.
- Tunnels.
- Bridges.
- Public and private lighting.
- Irrigation and access control systems.

References

- Router LoRa: https://aitha.es/en/products/lux-aitha/#lora-router