

Zolitron zNode

Hardware Revision 0.3



Technical Specification

Mechanical	
Dimensions	130 mm × 109 mm × 29 mm
Operating temperature	−20°C – 80°C
Ingress Protection Marking	TBA

Autonomous Power Supply / Micro Energy Harvesting	
Solar cell	Monocrystalline silicon, film substrate
Operating time without illumination	Depends on use case
Illumination requirements	Adaptive power management, optimized for outdoor use
Battery	LiFePO4, 5 Wh

Data Processing	
MCU	ARM [©] Cortex [™] M4 based TI MSP432
OTA capability	✓

Communication	
Bluetooth	TI CC2640R2F, Version 5 (4.2 compatible)
Narrowband IoT / 2G fallback	Quectel BG96 (GPS included)
NFC	STMicroelectronics M24SR64-Y

Sensors	
Acceleration, temperature	TDK InvenSense ICM-20602
Magnetic fields	STMicroelectronics LIS3MDL
