



**SIMPLICITY.
APPLIED.**

M2M Access Control

Product Sheet

Doc. nr. 06045, date: Mar-2025



Specifications

Physical Specifications	
Housing Dimensions	13.1 x 9.5 x 2.5 cm
Weight	120 grams

Environmental	
Operating Temperature Range	0 °C to 49 °C
Humidity	0 to 85% relative humidity, non-condensing

Device Specifications	
Cellular Module	Model: Telit ME310G1-WW Supported Modes: Dual Mode LTE-M/2G
Wi-Fi Module	Model: ESP32-WROVER-E Supported mode: 2.4 GHz Protocols: 802.11b/g/n (802.11n up to 150 Mbps) RAM: 520 KB of on-chip SRAM for data and instructions External SRAM: 8 MB External Flash: 8 MB
Microcontroller	Model: STM32G030K6 Core: Arm® 32-bit Cortex®-M0+ CPU, frequency up to 64 MHz Up to 64 Kbytes of Flash memory with protection 8 Kbytes of SRAM with HW parity check Voltage range: 2.0 V to 3.6 V 4 to 48 MHz crystal oscillator
Power	Input Power: 12V, 1A Output Power via AUX: 12V

Device Features	
Dual SIM	Yes
Max. number of Users and RFID Cards	Max. 999
Supported RFID Card Reader devices	2 RFID Readers per single Access Control device
Inputs	3 x Inputs – B1 and B2, DS (Door Sensor)
Door Relays	2 x Relays (N.C. / COM / N.O.)
Supported Communication Protocol(s)	Wiegand
Unlock via Bluetooth when in proximity	Yes, via RControl App
Unlock via NFC	Yes, via RControl App, requires NFC capabilities
USB Type-C	For future integration with M2M-HUB (Wi-Fi, Z-Wave capabilities)
RS485	For future use