

### Overview

The BLE module is designed to allow simple addition of BLE credentials to an existing Access Control System.

The module is designed to be installed close to an existing reader, and on the same OSDP cable. The compact dimensions allow for the fitting of a module in an existing backbox, or the cavity of the wall.

### Novel design

The module supports optional environmental sensing, and a USB C interface. It can be configured both as a reader, a BLE beacon, or a BLE Mesh node.



### Protocols supported

The module supports both the proprietary LumenID and Leaf Identity protocols. Use of Leaf identity allows the use of open and interoperable credentials across multiple systems and sites.

### Wide operating Voltage

The module operates from 5 Volts to 28 Volts DC, this allows direct operation at the 2 popular voltages associated with door locks

### Specification

Feature	Description
<b>CPU</b>	NRF52840 Cortex M4F 1MB Flash 256KB RAM NFC -A Tag Interface BT840 Module
<b>Secure element</b>	ATECC 608A
<b>Sensing Option</b>	Temperature, humidity and Barometric pressure
<b>Connectors</b>	4 way supporting either OSDP 2.17 or Wiegand Output USB C
<b>Temperature Range</b>	-40 to +70C
<b>Read Range</b>	Configurable
<b>Mechanical</b>	25 x 52mm
<b>Current Consumption</b>	20mA
<b>Operating Voltage</b>	5-28 Volts DC
<b>Warranty</b>	3 years

Pin No.	Function
<b>1</b>	Supply Voltage (5-28V)
<b>2</b>	OSDP A/ Wiegand D0
<b>3</b>	OSDP B/ Wiegand D1
<b>4</b>	0 Volts