

Overview

The Communication module is designed to be mounted on a BLE DIU to provide WiFi connectivity and optional micro SDcard database.

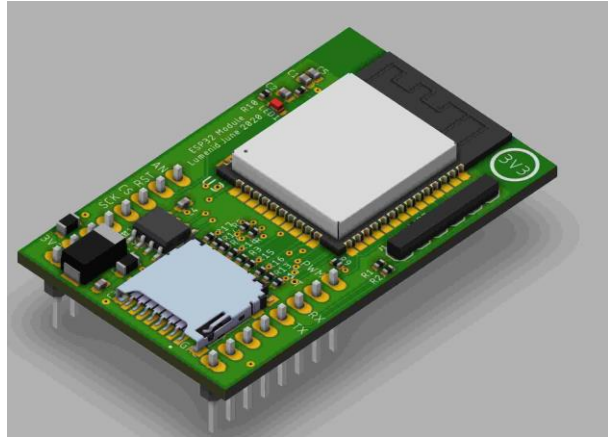
The module is designed to follow the Click module guidelines

Novel design

The module is designed to provide both WiFi gateway capabilities and future database functionality using the on-board micro SD card. Security is provided by the ATECC 608A secure element.

Protocols supported

WiFi, BLE



Simple retrofit

The module is designed to allow a BLE DIU module to function as a gateway for a network of OSDP Modules, once installed the DIU module changes from an OSDP PD to an OSDP CP, and no firmware updates will be required to the DIU Module.

Specification

Feature	Description
CPU	ESP32 WROOM D Cortex M4F 1MB Flash 256KB RAM NFC -A Tag Interface BT840 Module
Secure element	ATECC 608A
WiFi Band	2.4 - 2.5 GHz
Connectors	2 rows 8 way 0.1 inch pitch
Temperature Range	-40 to +70C
Output Power	20dBm
Mechanical	30.5 x 49 mm
Current Consumption	100mA
Operating Voltage	3-3.6 Volts DC
Warranty	3 years

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