Flexy

Software Controlled
IP Device

| Access Control | IP Based | RFID | IP65 | Fingerprint |

Wall mounted

❯ Modern and minimalist design
❯ Waterproof
❯ High-impact polycarbonate front cover
❯ ABS back cover
❯ Easy installation: junction box not required
❯ Dimensions: Flexy RF   76x121x51 mm
                                Flexy Bio   76x181x52 mm

Recommended for:
Access control for businesses, hotels, hospitals, datacentres, etc.

IP65

Flush-mounted

❯ Flush-mounted biometric and/or RFID reader for gates, turnstiles, kiosks
❯ Easy to connect using the terminal block and RJ45 PCB connector
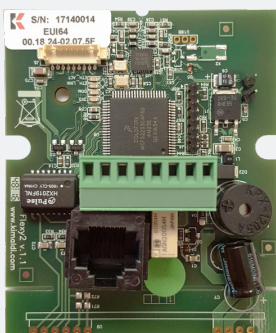❯ High-impact polycarbonate front cover
❯ Dimensions: Kit OEM RF   76x121x27 mm
                                Kit OEM Bio   76x181x41 mm

Recommended for:
Access control for sports centres, integration in kiosks and turnstiles, prepay RFID solutions, etc.

IP65

OEM Embedded Module

❯ Compact design: reader, antenna and controller in the same board
❯ Easy to connect using the terminal block and RJ45 PCB connector
❯ Possibility of connecting additional readers, I/O boards
❯ Easy-to-integrate into software applications
❯ Dimensions: Board   65x77x19 mm
                                PoE Board   65x84x19 mm
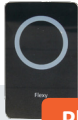
Recommended for:
Access control for sports centres, utility management solutions, etc.

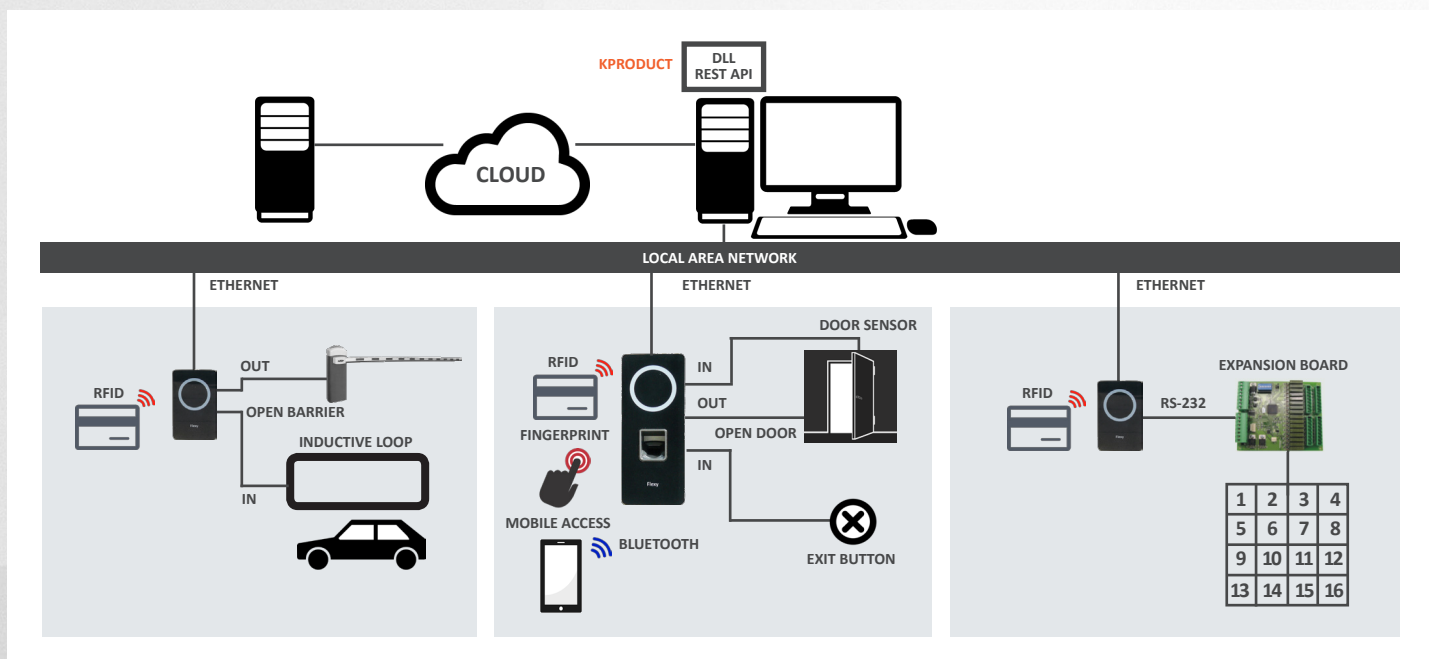PoE   OEM
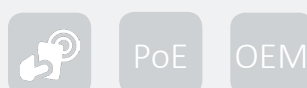
Why choose Flexy?

1

100% software controlled
The host controls all inputs and outputs in real time including LED and Buzzer.

2

Multiple factor authentication
Combine Fingerprint, Multi-ISO RFID, Bluetooth Low Energy BLE. Storage on Card.

3

Implement your own AC algorithm
Allows the administrator to set diverse, complex and simultaneous criteria to grant or deny users access.

4

Compact hardware
Antenna, reader and controller in a single board with Ethernet & Serial connectivity.

5

Auxilary readers & I/O boards
Easy integration with virtually any reader and RS-232 expansion board.

6

Customisation option
Possibility of adapting firmware and housing to client requirements.

Specifications

	Flexy RF	Flexy Bio	Flexy Plus RF	Flexy Plus Bio
Main				
Fingerprint sensor	-	Optical (Scratch resistant)	-	Optical (Scratch resistant)
Cards & Protocols High Frequency	MIFARE Classic 1K / 4K, Ultra Light, Ultra Light C, Plus, MIFARE DESFire 0.6, MIFARE DESFire EV1, DESFire EV1 SE, ISO 14443A/B		iCLASS, iCLASS SE/SR, iCLASS Seos, MIFARE Classic 1K / 4K, Ultra Light, Ultra Light C, Plus, MIFARE DESFire 0.6, MIFARE DESFire EV1, MIFARE SE, DESFire EV1 SE, T=CL, ISO 14443A, ISO14443B CSN, FeliCa, SmartMX, ISO 15693	
Cards & Protocols Low Frequency	-		HID Prox, Indala Prox, EM Prox, AWID Prox	
Bluetooth	-		Low Energy (BLE)	
Capacity 1:1	Unlimited			
Capacity 1:N	5000 - unlimited*			
Host interface				
Ethernet	Ethernet 10 Base-T			
RS-232	Yes			
Interfaces				
Digital Inputs	2 active to ground digital inputs, inactive in open circuit			
Wiegand/TTL Input	Wiegand 26, 34 and variable length or Clock&Data, ABA Track-2			
RS-232	2	1	2	1
Relay	1 relay contact, potential-free, 24V/1A (N.C.) (24/1A: 500,000 cycles)			
Buzzer	PCB Integrated			
LED	RGB			
General				
Operating Temperature	-20ºC - 60ºC			
Power	5 VDC +/-10%			
PoE	Optional (IEEE802.3af)			
Software tools				
Protocol	KXP over serial RS-232 and KXP over Ethernet UDP			
Tools	.Net DLL and REST API SERVER			

*depending on local or host identification

Flexy Network Diagram

KPRODUCT

DLL REST API

CLOUD

LOCAL AREA NETWORK

ETHERNET

ETHERNET

ETHERNET

RFID
OUT
OPEN BARRIER
IN
INDUCTIVE LOOP

RFID
FINGERPRINT
MOBILE ACCESS
BLUETOOTH
IN
OUT
OPEN DOOR
IN
DOOR SENSOR
EXIT BUTTON

RFID
RS-232
EXPANSION BOARD

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

Experts in identification

Kimaldi manufactures and distributes high-quality hardware for identification since 1998. The company's main areas of expertise are biometric technologies, RFID and OEM products.

Throughout its history Kimaldi has always focused on R&D to produce cutting edge devices using the latest ID technologies.

We have a broad experience in customizing our standard products or developing them from scratch to satisfy customer's needs.

ACCESS CONTROL

T&A CONTROL

BIOMETRIC SYSTEMS

RFID CARDS

RFID SYSTEMS

CARD PRINTERS

CARD READERS

Kimaldi
Experts in identification

Kimaldi Electronics, S.L.
Ctra. de Rubí, 292 B
Pol. Ind.Can Guitard
08228 Terrassa
Barcelona, Spain

Tel. +34 93 736 15 10
kimaldi@kimaldi.com

Kimaldi Lusa
EN 247, KM 64,5.Park Charal,
Armazém 4 - Carne Assada
2705-837 Terrugem
Portugal

Tel. +351 21 715 63 03
portugal@kimaldi.com

Made in Barcelona

www.kimaldi.com