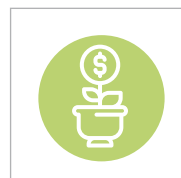# i-Neighbour Smart Barrier Gate
TimeTec BLE-2 System
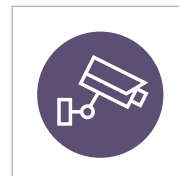## *Smarter and Safer with Smartphone Access*

The TimeTec Barrier – BLE 2 Gate Control Relay Board is built as an intermediate between a user's mobile app and a barrier gate controller. A user uses his/her mobile app to send command to the BLE 2 Gate Control Relay Board via Bluetooth connection. The board then translates the command into digital pulse and sends it to the barrier gate controller to open/close the gate.

The BLE 2 Gate Control Relay Board is seamlessly integrated with i-Neighbour to only allow permitted registered users' vehicles to enter and exit the enclave.

The BLE-2 system deploys Bluetooth technology and to auto detect a distance of 5 meters registered user smartphone accessible inside the car to instruct the opening of barrier gate.

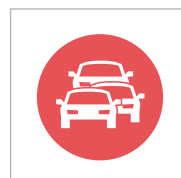Low initial investment, and because Smart Barrier BLE-2 is part of i-Neighour smart community solution.

All entry and exit images can be recorded for visual evidence if installed together with surveillance cameras.
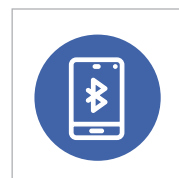
No more winding down of window to flash card which will cause wetness during rainy days or exposure to robbery threats for the drivers.

Low maintenance cost due to its implementation is based on BYOD, bring your own device concept.
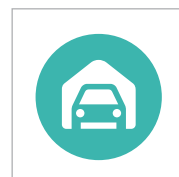
Fast and capable of reducing traffic congestion during peak hour.

Using Bluetooth communication, a comfortable reading distance of 10 meters between relay board and smart phone.

Current long-range RFID barrier system can be maintained and integrated with i-Neighbour smart community system if the management still wanted to keep the system.
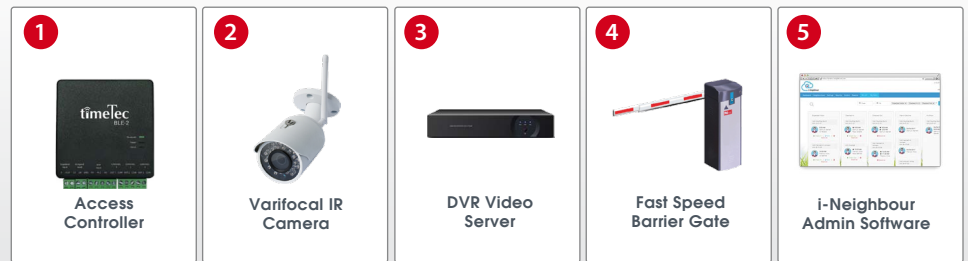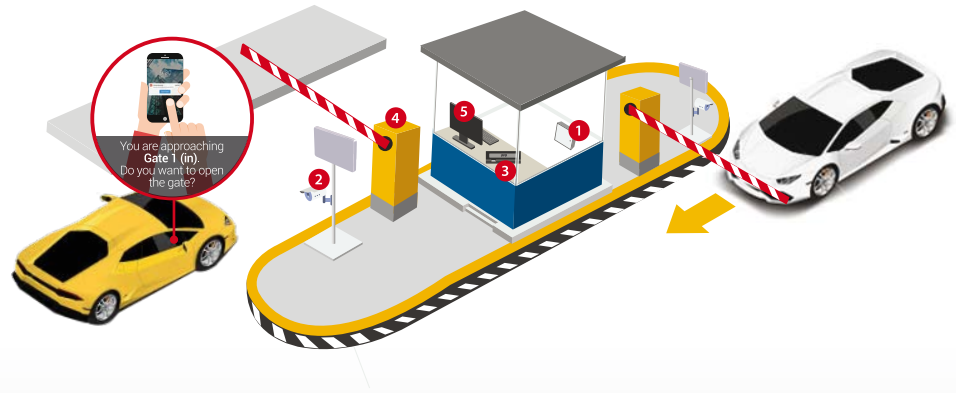
Your vehicle would be safe at home when you are away abroad as your credential is not in the car, but a smart phone that tag along with you.

When it comes to the barrier gate installed at the guard house, an individual user can use his/her mobile app to command the gate to open. The BLE 2 Gate Control Relay board that has been installed at the barrier gate will always broadcast its unique ID for a fixed coverage area. When a user and his/her vehicle comes into the zone, his/her mobile app will receive a unique ID at a fixed level of signal strength. The mobile app then authenticates the accessibility through this gate based on that unique ID. The mobile app will display the message on screen if a permission is granted.

A user can tap OPEN GATE and the mobile app will send a command to BLE 2 Gate Control Relay board to open gate. The user then has to unlock the smartphone to access the main screen and send unlock command by using push notification.

You are approaching **Gate 1 (in).** Do you want to open the gate?

1	2	3	4	5
Access Controller	Varifocal IR Camera	DVR Video Server	Fast Speed Barrier Gate	i-Neighbour Admin Software

Specifications

Model	BLE-2
Channels	2 FORM C Relay output, NO/NC selected via jumper Weigand 26-bit input
Gates	1 BLE-2 supports 1 Gate
Dimension (mm)	85 (L) x 96 (W) x 33 (H)
Weighing (kg)	0.6
Power input	9 ~ 24 VDC
Working Temperature °C	0-45
Humidity (%)	20-80
Card Storage	30,000
Communication	Bluetooth Low Energy (BLE) 4.2, Weigand 26-bit input
Bluetooth Encryption	64-bit TmeTec Proprietary
Effective Distance (m)	Max 10 m *(Adjustable)*
LED indicator	Yes
Transaction Records	Unlimited, stored in cloud server
Event Capacity	Unlimited, stored in cloud server
Mobile OS	Android 4.0.2 and above, iOS 8.0 and above
App & Cloud	TimeTec Security, TimeTec Access, TimeTec VMS, i-Neighbour
Language (App & cloud)	Arabic, Chinese Simplified, Chinese Traditional, English, Hindi, Indonesian, Malay, Nepali, Spanish, Thai, Turkish, Vietnamese. *Other languages are available upon request.*

Note: Specifications are subject to change without prior notice.

Packaging

Dimension (mm) : 173 (L) x 60 (W) x 135 (H)
Weight (kg)   : 0.3

Authorized Reseller:

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