



All car parking equipment supplier



## **ABOUT US - Aaron & Aidan:**

A & A is a Malaysian owned parking management product provider. A&A is to meet the growing demand from commercial and retail property owners for a solution to their car parking issues. A&A has provided car parking solutions and products for many commercial, retail, residential clients and major event managers throughout Malaysia.

With parking demand increasing and council requirements for parking provision decreasing, the need for effective management of car parking spaces is imperative. A&A prides itself on providing highly effective car parking products for retail, strata and commercial car park owners and managers.

With competition for the consumer dollar at its highest you need to ensure that your customers can find a car park.

A&A offers a new and fresh approach to all aspects of car parking. Our experience will ensure that your car park operates and presents in the best way possible and you can achieve the results you are after.

**Aaron & Aidan Technologies Sdn Bhd**

Company registration number: **(1282311-A)**

# OUR PRODUCTS



**Boom Gates**



**Pay Stations**



**Automated Parking System**



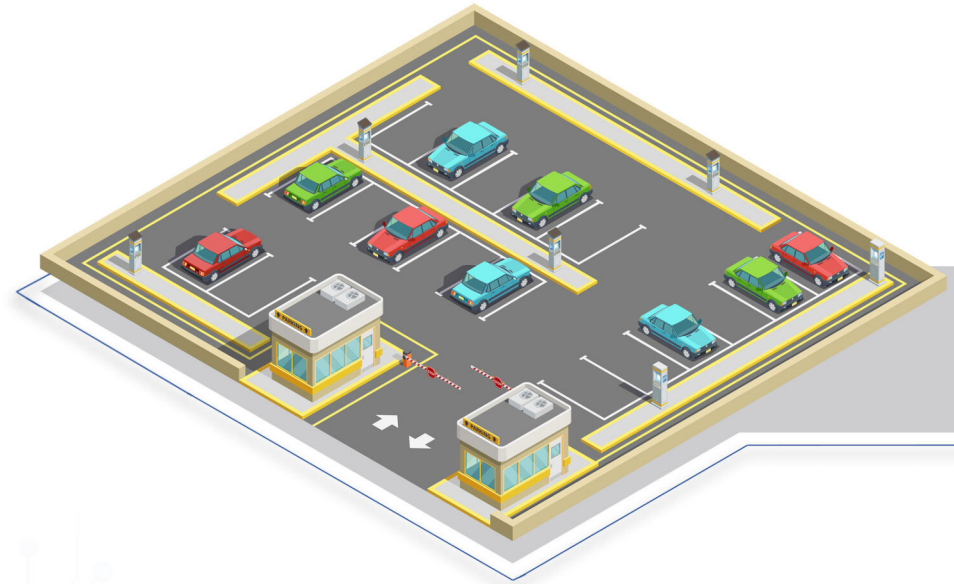
**Park Safety & Security Products**



**Bay Marking**



**Vehicle Tracking Systems**



**Smart Car Parking Solutions**



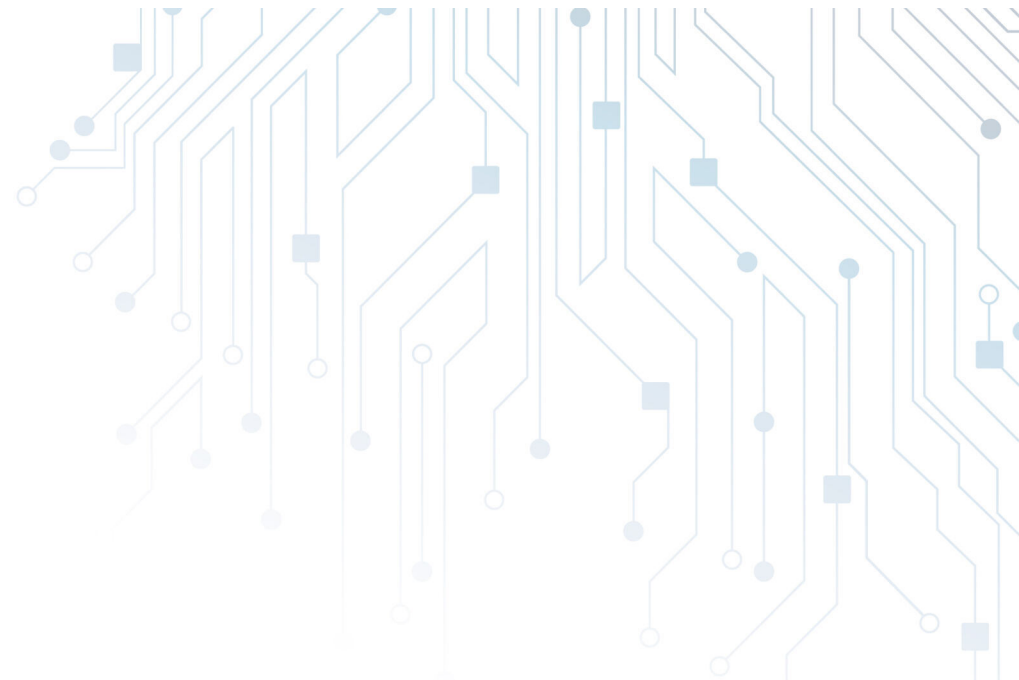
**Parking Guidance System**



**Cashless Car Park Touch N' Go**



**Cashless Car Park Visa PayWhiz**



## **BOOM GATES**

Our boom gates are 100% duty cycle which means they go all day and night. Built tough for industrial and busy access control points. We have a comprehensive range of manual and automatic boom gates. Whether the boom gates go up and down or side to side, we will have a boom gate to meet your requirements such as security, speed, noise or aesthetics. Our sliding boom gates are unique and were developed for area's which are remote and potentially open to vandalism or security.

## **Quality Product**

The security level of the sliding boom gates can be very high. Our automated boom gates up to 6 metres are 100% duty cycle. We do not sell cheap boom gates as our clients are commercial, industrial and government with sites that require reliable performance and ongoing service. Beware of cheap boom gates in the market as many are sourced directly from OS and installers will not carry parts. We manufacture Vehicle and Pedestrian Access Control Equipment, High Security and Anti-Terror security products.



## **Vertical Boom**

Auto Boom Gate 12 mtr Arm  
Auto Boom Gate 3-6 mtr Arm  
Automated Chain Gate  
Manual Boom Gate  
Security Manual Boom Gate  
Solar Boom Gate

## **Swing Boom**

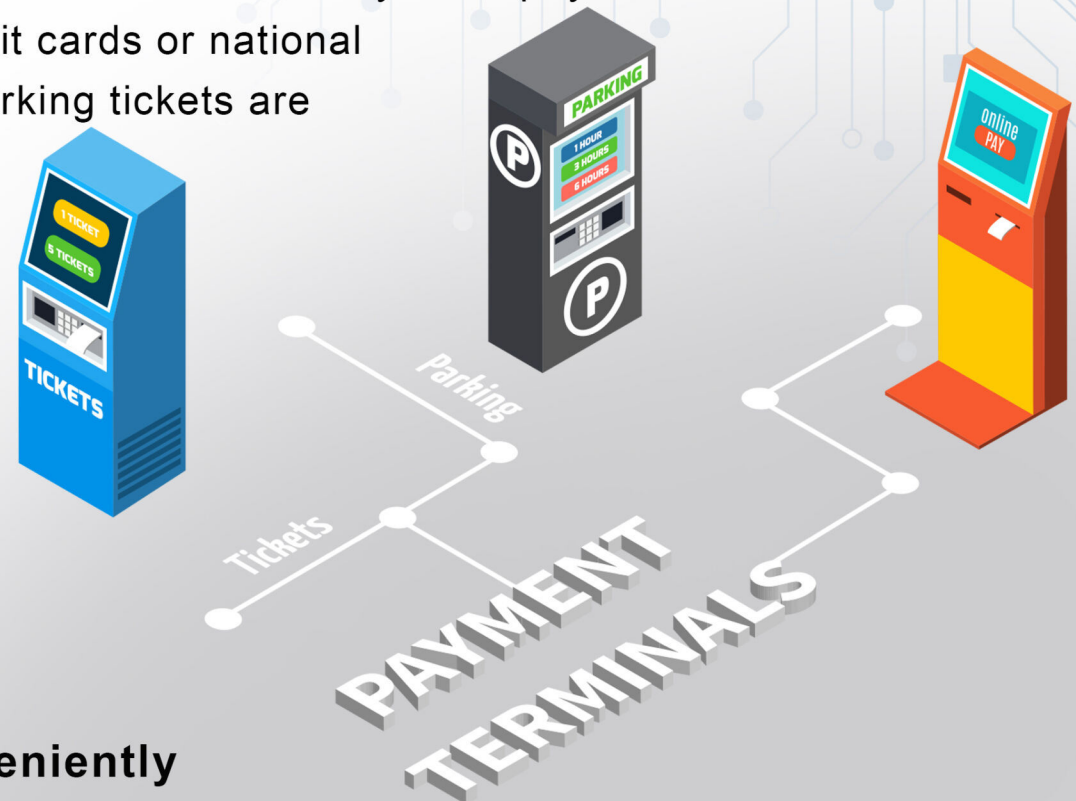
Dual Swing Arm  
Manual Double Swing Gate  
Single Swing Arm Gate  
Single Swing Gate

## **Sliding Boom**

Industrial Sliding Boom Gate  
Security Sliding Boom Gate  
Solar Boom Gate

## Automatic Pay Station and Ticketing Machines

The Automatic Pay Station is designed to provide automated revenue collection to parking facilities equipped with the Park Assist system. The Pay-Lane can be used in conjunction with the Lane controller and cashier stations. It will report revenue and status related information to the Pay-lane management computer. Payment of parking fees is facilitated by cash payment in coins and bank notes. In addition, cashless payment by credit cards or national cash cards can be provided. By standard, parking tickets are identified by means of an advanced barcode scanner.



## Pay parking tickets quickly and conveniently

Sales and pre-sales have never been easier. Purchase tickets and pay for parking with cash or credit card. The pay on foot machines support RFID or barcode requirements. Meanwhile, maximize security of cash in the payment machines with our Webkey solution.

## Features

24-hour operation without cashiers

Coin/note/card acceptor & recycling of coins for change in hoppers

Fully operational in either stand-alone or on-line mode where on-line communications gives real-time monitoring & control

Large 10.4-inch Touch screen LCD color display

Built-in thermal printer for flexible receipt printing

Special facility to accommodate Multiple  
-discount, service- or free tickets

Able to choose three language option

Ticket tracking for invalid ticket control

Journal data storage on Flash Disk

## Benefits

Customer exiting speed increased dramatically

Reduces overhead costs

Utilizes human resources more efficiently

Eliminates long queues at exit, improving customer satisfaction

Color monitor guidance system assists customers through transactions

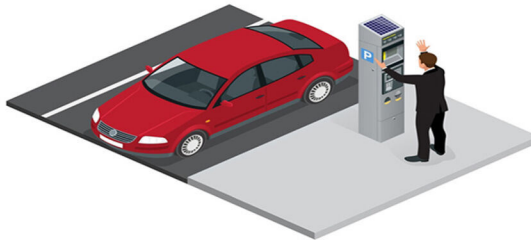
The fastest, easiest way for customers to pay and exit

Windows CE based control unit



## Automatic Parking System:

High-rise buildings are proof of old architectural maxim: It's less expensive to build up than out. It's also true for parking spaces. Parkmatic designs, manufactures, and constructs fully automated and mechanical parking systems. This technology is designed to combat the growing problem by efficiently using our robotic car parking systems in areas where congestion, zoning, and crime are problems and where land is scarce and expensive.



**Maximum parking efficiency at  
the most cost savings**

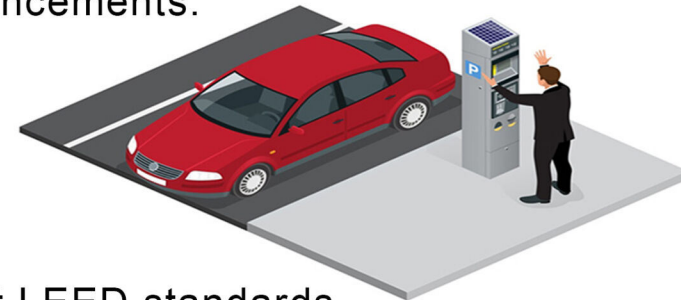


We believe that our clients can have the best of all worlds. Creative Design, Cost Efficiency and Exceptional Client Service. Our company is focused on two areas: Maximum parking efficiency at the most cost savings for our clients. As such, we continually expand our knowledge of state-of-the-art fully automated vehicle storage systems. Our people are the key to designing world class parking systems.

Our team of seasoned professionals is large enough to handle major complex projects, while at the same time we are able to get to know our clients intimately, listen to their needs and deliver on our promises. We are nimble enough to work on complicated high-rise buildings as well as smaller renovations and everything in between. While our disciplines are complex, partnering with Parkmatic and getting results is really quite simple: We listen. We respond. We deliver.

## Create Space for Design, Development and Community

We manufacture high-speed automated parking structures from hundreds to thousands of cars in half the space of a conventional parking garage. Architects and developers use less space for parking and create space for design, development and community enhancements.



### Features

Create more saleable space by using Robotic Parking Systems

Space gained can be used for green space and open areas to meet LEED standards

Delivers faster retrieval times than other automated garages or ramp-style parking

Automated parking offers security for both individual and car

A Robotic Parking System gives users premium valet service without the valet

Automatic parking reduces CO2 emissions and other pollutants and greenhouse gases

Flexible design allows the automated parking garage to fit into any neighborhood or project

Robotic Parking Systems relieve traffic congestion.

# Park Safety and Security Products

Traffic & Parking Controls from Park Assist Asia are used to direct traffic and enforce parking rules in and around your business. Traffic & parking controls various types of products, including cones and barriers, posts, delineators, barricades, crosswalk safety items, traffic paddles and many signs, including one way signs, stop signs, do not enter signs, yield signs, ADA and handicap parking signs and many more.



Your parking lot is like a mini city or traffic area. The rules of roads and streets throughout the country need to be followed when driving in and around your parking lot or facility. Use stop signs to direct traffic to halt, speed limit signs tell drivers which speed is appropriate to use in various areas. Traffic & parking controls can be made from various materials depending on the specific type of product. For instance, traffic cones are made from durable materials, signs can be plastic or aluminum, etc.

# Create Space for Design, Development and Community

Direct vehicle and pedestrian traffic, organize your lot, and enforce parking rules in and around your business with our controls.



## Safe Equipment:

**Soft Trampoline Walls:** Trampolines of yesteryear left jumpers exposed to tumbling off onto the ground and it frequently resulted in injuries. We've eliminated this danger by completely surrounding our trampolines with soft but strong, 8-ft-high trampoline walls. These walls are SO strong jumpers can bounce off them and back onto the trampoline floor.

**Safety Netting:** Where the soft, 8-ft-high trampoline walls end, safety netting continues for a distance of 5 ft, high enough to contain all jumpers. The safety netting can withstand up to 150 lbs per square inch!

**Padding:** Our trampolines have no gaps to fall through, nor are there any exposed springs. All steel and springs are covered by 3 inches of padding.

**Foam Pit:** Our foam pit contains over four feet of soft foam over a trampoline floor. Court monitors are present at all times to ensure foam pit jumpers follow our safety rules. Diving headfirst into the foam pit is very strictly prohibited.

**Inspections:** Our staff performs regular inspections of all components of our trampolines to ensure that everything is always in proper working order.

## BAY MARKING

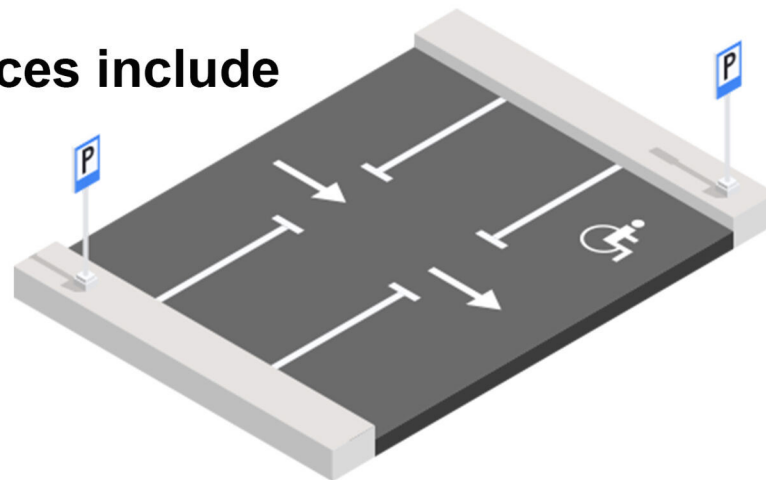
We are able to carry out line & bay marking services to your car park. We can apply linage, ie: double yellow lines, bay dividing lines, hatched "No Parking" linage. We can also apply bay lettering & numbers if required. The above can be carried out in a choice of colours, the most popular being white or yellow. We are also able to carry out our line marking applications in a choice of either paint or thermoplastic. Thermoplastic is the longer lasting of these two materials as it is literally plastic that is applied under heat to the road surface. We are happy to quote for this service for large & small jobs alike.

## Technology breakthrough revolutionizing Car Parking

We can provide you with a professional car park layout and design and offer a large variety of road markings, including lettering, lane and bay demarcation, and bay numbering. We carry a large range of colours to suit commercial and residential applications. We only use the highest quality materials and offer no-obligation quotations upon request.

## Bay Marking and White Lining services include

- Line marking, including setting out new lines
- Line Remarking
- Line Removal
- Surface Colouring
- Anti Slip Surfacing
- Decorative Playground Markings

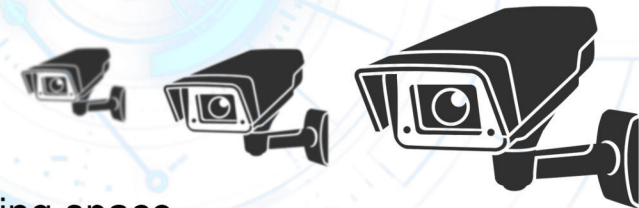


# VEHICLE TRACKING SYSTEM

**Find Your Car:** Based on the video and LPR technology , the system can help the driver find the accurate parking lots they parked by inputting their Car license plate No. on the inquiry terminal .

**Parking Guidance:** Guide the driver to the nearest available parking space,Reduced time looking for parking, and reduced frustration

**Remote Supervisory:** Providing video record for each parking space, help to collect evidence of scratched car, vehicle theft etc



## IP Cameras

IP camera at every parking space take real time photos & video on the parking space & then forward the relevant parking space info(parking time, car license plate No. etc) to server.

The LED Indicator that built in the IP camera.

IP camera will switch from Green/ Blue color to red color to tell the driver the relevant parking space is occupied

**800K** pixel, 1.3megapixel for choice, Accuracy rate more than **99%**

With **built-in LED** Indicator, cut installation time 50%

## KIOSK

The KIOSK that with built-in “Find your car” application will be installed nearby the Escalator,Elevator and stairs, helping driver. Find their car by simply inputting their license No on the KIOSK



## SMART CAR PARK SOLUTION

The key factors that set smartcard car park system apart from others is the latest technological advanced car park system that the world is now recognizing. Throughout the world, car park operators are switching from the traditional magnetic stripe and bar-coded tickets to a recycleable Smartcard ticketing. Smartcard offers better security, system scalability with wider application of choice and the cost savings in printed tickets. A more modern system users a Smartcard based automatic pay stations, where the driver presents the smartcard ticket and pays the fee required before returning to their car, then drives to the exit station and insert the paid ticket for exit.



The latest technology Smartcard Autopay Station offers you an innovative ticket handling system for the parking operation. This robust self-service station is designed to improve cash management ,lower labor and operational expenses while improving customer service and convenience round the clock, 24 hour operation. The ergonomic design and user-friendly Smartcard Autopay Station guides customers through the entire transaction process with ease . Clearly defined instructions in Bahasa Malaysia and English are simple to follow without the confusion. These pay station accepts payment banknotes and provide change in banknotes (Coins option available).

# SMART CAR PARK SOLUTION

## Key components

- Entry Station
- Exit Station
- Manual Pay Station
- Autopay Station (APS)
- Car Park Barrier
- Car Park Management Centre Server (CPMC)
- Parking Application Software & Reports
- Intercom
- Ticket Redemption & Validation Handheld Reader
- Parking Tickets (Ticketing & Season)
- Touch 'n Go System
- Smartcard Comparison (Advantages)
- Reference Sites

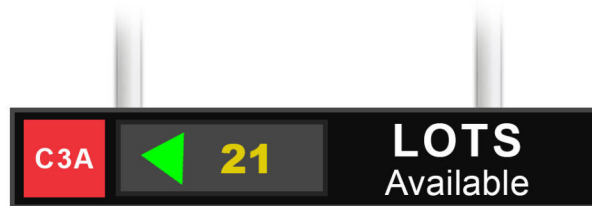


The MIFARE name covers proprietary technologies based upon various levels of the ISO / IEC 14443 Type A 13.56 MHz contactless smartcard standard

# PARKING GUIDANCE SOLUTION

Parking Guidance System simplifies the way parking works. It assists your customers by giving them the correct information when trying to find a parking Lots. The near 100% accuracy erases inefficiencies in the counting process by monitoring every bay allowing every space to be utilized.

A well-known company with the best sales of Parking Guidance System in Asia. Singapore Changi Airport, Poland Krakow Airport, Saudi Arabia King Fahad Medical City, Walmart Asia Head Office. More than 1000 car park in over 40 countries are using our PGS Solution.



## Benefits of PGS

PGS have been proven to cut the customer's time-to-park in half and result in a 3-5% rise in visits. Simply put, the easier it is for customers to visit, the more customers will want to return again and again.

**Driver:** Reduced time looking for parking, and reduced frustration

**Venue Operators:** Increase in patronage, and customer satisfaction

**Parking Operators:** Increased space occupancy, and increased revenue

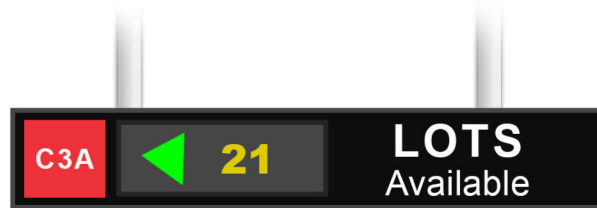
**Environmental:** Reduced air pollution, reduced congestion, reduced illegal parking



# PARKING GUIDANCE SOLUTION

## Key components of PGS

- CCU: Central Control Units
- ZCU: Zone Control Units
- UD: Ultrasonic Detector
- LED Indicator: Red/Green Led Indicator
- LED screen: Outdoor/Indoor LED screen



## How it works

The Intelligent Parking Guidance system guides the motorist from the roads around the facility, through the process of selecting which parking area to use, to the floor with available parking, then to the aisle with the available parking, and finally to the empty parking bay.

## Parking Manager

Monitor the Real-time video or replay the video of each parking space accordingly to their need , this function will be widely used in collect evidence of scratched car, vehicle theft etc...



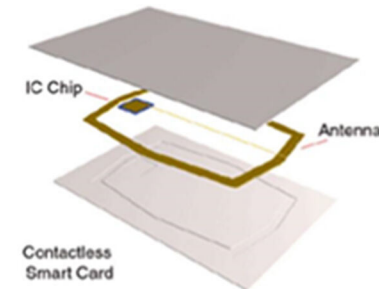
# CASHLESS CAR PARK TOUCH N' GO

**Touch'n Go** is an electronic purse, uses contactless smart card technology. The card looks similar to a creditcard. User can continue using the card as long as it is pre-loaded with electronic cash. User can reload the card at tollplazas, trainstations, Automated Teller Machines, Cash Deposit Machines, Petrol kiosks and at authorised third party outlets. Touch'n Go enhances the speed of paying for low value but highfrequency transactions. Apart from the speed, it is also very convenient because user no longer need to prepare for small change or wait in queue at the cash lane to complete the transaction.



## Touch 'n Go Contactless Smartcard Technology

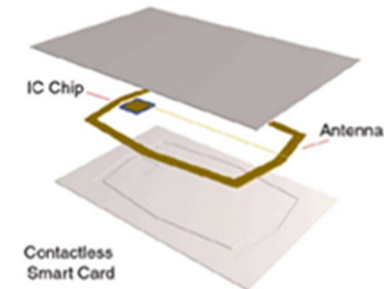
- Embedded chip and antenna.
- PET material more robust than PVC used for ATM/credit cards.
- Easy to use : no swipe/insert, no pin & use either side.
- Fast transaction time to public.
- Lower maintenance cost to service providers.



# CASHLESS CAR PARK TOUCH N' GO

## Advantages of Touch 'n Go to Car Park Operator

- Convenient for visitor , as most Klang Valley motorist have Touch n Go card.
- Eliminating inconvenience to visitor to look for loose change or replacement of soiled or damaged banknotes rejected at payment machine.
- Faster entry / exit ,thus creating less jam at entrance / exit.
- Less queue at Autopay Machine or at cashier stations.
- Less wear & tear , thus lower the cost of maintenance topayment machine / equipment.
- Less printed tickets usage. Savings in Cost.
- Bettercontrol on cash collection , less cash to handle.
- Next day payment by Touch 'n Go to Car Park Operator .( Refer to EPS Flow below)



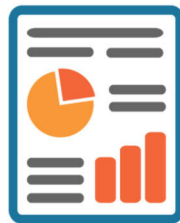
# CASHLESS CAR PARK VISA PAYWHIZ

Alongside with the lane ticketing machines, an alternative payment using credit cards and debit cards is now available for car parks. Introducing Visa PayWave at the car park lanes, enable users / visitors to enter and exit car parks with ease just by “waving” their credit cards during entry and exiting the car parks.



## Cardless Pay

Visa PayWave is a payment method that lets you make every day purchases without having to swipe the magnetic strip on your card, insert into the smart chip reader or provide your signature\*. It's faster than fumbling with cash or waiting for change, and it makes checkout easier than ever. All you have to do is Tap & Go™ at the car park entry or exiting at the exitlanes. Visa PayWave has a tiny microchip and radioantenna embedded, enabled to transmit your payment details wirelessly to a high-speed reader at the carpark lanes. The reader then verifies your transaction with your bank through Visa reliable network and indicates approval almost instantly.



View **Reports** at anytime

# CONTACT US



Customer Service  
+60 3-8408 1890



raj@aaronaidan.com  
info@aaronaidan.com



www.aaronaidan.com



Menara A Unit A-07-05,  
Prima Avenue, Jalan PJU 1/39,  
Dataran Prima, 47301  
Petaling Jaya, Selangor  
Darul Ehsan, Malaysia.

**RAJ**  
DIRECTOR

+6 018-9169 189



(1282311-A)

**AARON & AIDAN**

Aaron & Aidan Technologies Sdn Bhd

