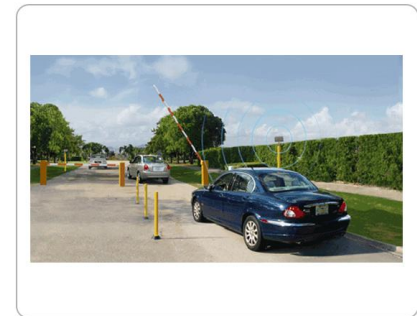
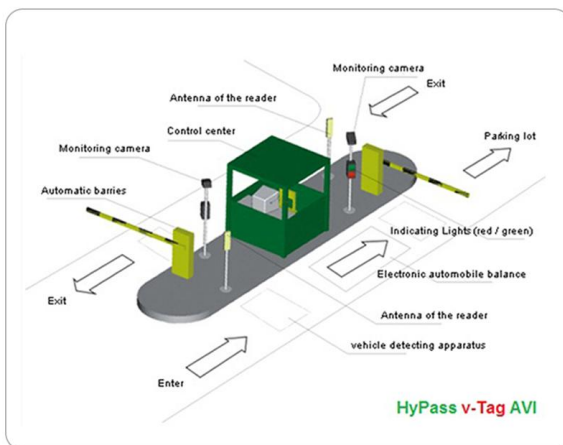


Automatic Vehicle Identification (AVI)

HyPass v-Tag for parking and vehicle access applications

- » Residential Areas
- » Parking Areas
- » Highways



Key User Advantges

- Fast Entry
- No Queuing
- Easy to use
- Secure - no need yo unlock your car or pull down the window
- WIP treatment

What is AVI?

Automatic Vehicle Identification is the component of Intelligent Transport System (ITS) which means to automatically identify a vehicle at a barrier. The HyPass AVI system can with its advance RFID technology, identify a vehicle as it approaches a gate or a barrier, allowing the AVI Control System to authorize entry and open the gate, without the driver ever having to stop or open the window. This not only improves traffic flow in peak hours. It also provides the customer with a safe and convenient way to access a facility.

Automatic Vehicle Identification (AVI)

What is v-tag?



v-tag is a RFID tag based on passive RFID technology. It is a long life battery tag stickable to a vehical windshield. v-tag sticker tags are suitable for a variety of automatic vehical identification (AVI) application including electronic toll collection, Airport ground transportation management & parking, and parking and security access control

Anti-Counterfeiting

v-tag has an anti-counterfeiting feature which will destroy the tag during the attempt to remove it from the windshield. Further more the tag cannot be replicated as it has encoded serial number that can be pre-programmed into the system.

Features

Working Frequency	ISM 902 to 928MHZ (Any frequency band from 860MHZ to 690MHZ)
Support Protocol	EPC gen2
Read distance	3m to 53
Spec	different sizes are available
Working temperature	-10C to +70C
Storage Range	-20C to +85C

	Active RFID	Passive RFID
Power	Battery operated	No internal power
Required Signal Strength	Low	High
Communication Range	Long range (100m+)	Short range (3m)
Data Storage	Large read/write data (128kb)	Small read/write data (128b)
Per Tag Cost	Generally, \$15 to \$100	Generally, \$1 to \$10.00
Tag Size	Varies depending on application	"Sticker" to credit card size
Fixed Infrastructure Costs	Lower - cheaper interrogators	Higher - fixed readers
Per Asset Variable Costs	Higher - see tag cost	Lower - see tag cost
Lower - see tag cost	High volume assets moving within designated areas ("4 walls") in random and dynamic systems	High volume assets moving through fixed choke points in definable, uniform systems
Industries / Applications	Auto dealerships Auto manufacturing Hospitals - asset tracking Construction Mining Laboratories Remote monitoring IT asset management	Supply chain High volume manufacturing Libraries / book stores Pharmaceuticals Passports Electronic tolls Item level tracking



HyPass

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Automatic Vehicle Identification (AVI)

RFID Reader



Specifications

Support Protocol	ISO18000-6B;EPC Gen2
frequency	ISM 902MHz to 928MHz
Transmit power	0~30dBm multi-adjustable,set up by software
Reading distance	5m-10m
Antenna	External connection
Data interface	Wiegand,RS485,RS232,TCP/IP
Antenna interface	Two SMA antenna interface
Power consumption	6W
Dimension	194mm*156mm*33mm
Weight	500g
Operating temp.	-30C to +70C
Read indicator	buzzer/light

Variable Message Sign



Specifications

- ◊ Multiline electronic message sign
- ◊ Display English characters
- ◊ Programmable display speeds
- ◊ Multiple font options
- ◊ Programmable serial port
- ◊ Password protected

Access Control Station



Access Control Station will be installed on the site to control all devices attached to it. It contains of the following sub-component;

- ◊ Embedded lane computer
- ◊ Programmable logic controller, (PLC)
- ◊ Serial server
- ◊ Access control software
- ◊ Display screen (LCD)

Monitoring Camera



Specifications

- ◊ 1.3 Mega pixel camera
- ◊ H.264 hr/MPEG-4 Compression
- ◊ High Resolution Video Preview: Max 1280×960 Pixels
- ◊ Support TCP / IP, HTTP, DHCP, DNS, RTP / RTCP, PPPoE, etc
- ◊ Sensor Alarm I/O function



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