HYPER X™ Automatic Vehicle Identificaton

PRODUCT DESCRIPTION

HyperX™ is a long-range vehicle identification system with read distances ranging from 0.5 metres to 8 metres. The semi-passive read-only tags use the power from the antenna for data communications. The microwave frequency technology provides fast and reliable identification.

The product range offers a choice of read distances and identification zone geometry to suit different applications and environments.

HyperX™ can be combined with a simple standalone controller such as the CRC100 to open a barrier/gate etc. for authorised users, or can form part of an integrated access management system, where the data from the tag can be processed to monitor and record movement etc.

The hands-free operation of HyperX™ means that the user does not need to stop to interact with the reader. This is particularly useful in vehicle applications where fast processing is required to avoid queues and congestion.

LMB603x
Long-range external reader

LPR3011
Internal/external reader

FEATURES

- Guaranteed read ranges from 0.5 metres to 8 metres
- Vehicle and personal identification
- 2.45 GHz microwave frequency
- Easy installation
- Hands-free control
- Semi passive tag - long life
- Tags can be programmed to customer requirements
- Immunity - relatively insensitive to environment

- Tag identification in any orientation
- Identification of vehicles at speed
- Standard Clock & Data and 26-bit Wiegand interface enables it to be used with a wide range of access products
- Auxiliary input and output (LMB603x readers)
- Tags can be fitted to the outside of vehicles, read through the vehicle windscreen or read through a side window
- Multiple reader option - up to 30 readers can operate in close proximity

APPLICATIONS

- Staff car parks
- Priority vehicle control
- Personnel access
- Industrial site access control
- Fleet management
- Parking management
- Tolling systems
- Distribution centres
- Bus lane control
- Taxi-feeder systems
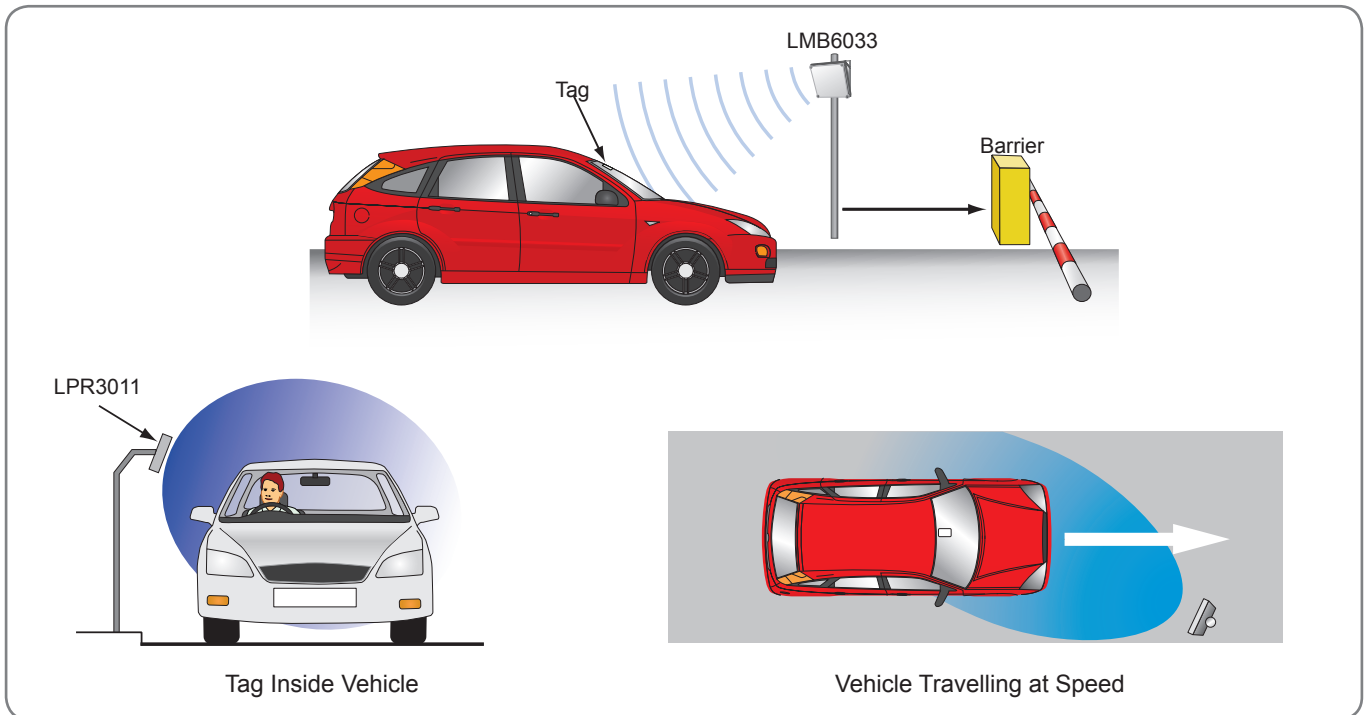- Vehicle access control

HyperX™ Tags

BDG1090   BDG1020

HYPER X™ Automatic Vehicle Identificaton

Technical Details

Tag Inside Vehicle

Vehicle Travelling at Speed

Specifications

LMB 6033/6034/6035 Compact Readers

Read range:	4m, 6m, or 8m
Dimensions (mm):	300 x 300 x 85 (H x W x D)
Weight:	5 Kg
Colour:	Light Grey
Operating temperatures:	-20°C to +70°C
Storage temperatures:	-25°C to +80°C
Protection level:	IP56
Relative humidity:	90% (without condensation)
Power supply:	12 to 24 VDC - 12 W
Frequency band:	2.45 GHz
Data rate:	30000 bauds (between tag & reader)
No. of reading channels:	31
Modulation type:	BPSK
Radiated power:	75mW (LMB-6033)
Tag Identification speed:	100Km/h
Reading adjustment:	20cm, 50%, 75%, 100%
Directional:	45° x 45°
Output Formats:	Clock & Data, Wiegand (26 bits)

LPR 3011 Compact Reader

Dimensions (mm):	174 x 108 x 29 (H x W x D)
Weight:	1.5 Kg
Colour:	Light Grey
Operating temperature:	-20°C to +50°C
Storage temperature:	-40°C to + 80°C
Protection level:	IP65 - internal or external use
Relative humidity:	95% (without condensation)
Power requirements:	12 to 24 VDC - 5 W
Frequency band:	2.45 GHz
Data rate:	30000 bauds (between tag & reader)
No. of reading channels:	31
Modulation type:	BPSK
Radiated power:	10mW
Read range:	Up to 2m
Directional:	90° x 90°
Output Format:	Clock & Data (Wiegand option available)

BDG1020 Vehicle Tag

Dimensions (mm):	85.6 x 54 x 3.5
Operating temperature:	-20°C to +70°C
IP rating:	IP 65
Frequency:	2.45 GHz

BDG1090 Vehicle Transponder

Dimensions (mm):	75 x 50 x 20
Operating temperature:	-40°C to +85°C
IP rating:	IP 67
Frequency:	2.45 GHz

Ordering Information

LMB 6033	Compact Reader, external use - 4M read range
LMB 6034	Compact Reader, external use - 6M read range
LMB 6035	Compact Reader, external use - 8M read range
LPR3011	Compact internal & external reader – 2M read range, antenna pattern 90° x 90°
BDG1020	3.5mm thick clamshell type vehicle/personnel tag
BDG1090	Vehicle tag for permanent fixing to vehicles. Suitable for harsh environments