

uPASS AVI Long Distance Reader

PRODUCT DESCRIPTION

The uPASS Reach reader offers long-range vehicle identification up to 4 metres using the latest UHF technology. Based on battery-free passive UHF, the uPASS Reach reader offers a cost effective and enduring solution for parking access.

The system is based on a uPASS Reach reader and windscreen-mounted UHF tags. The reader is installed next to the gate or barrier that is being controlled at a maximum height of 2 metres. A long-range passive UHF tag visible in direct line of sight will be identified up to 4 metres. The UHF tags are battery and maintenance free.

The reader output allows the access control system to open the gate/barrier when an authorised vehicle arrives without the need for the driver to present a card or badge. The built-in high intensity LED provides the user visual feedback that the tag has been read.



KEY FEATURES

- Consistent reading up to 4m
- On-site adjustable reading
- Elegant slim design
- LED and audible read indication
- Weatherproof housing
- Operates with passive UHF tags
- Self-adhesive windscreen tags
- Hand-held tags with dual-technology options



Windscreen Tag



ISO Card

SPECIFICATIONS

Electrical

Supply Voltage: 12 to 24V DC +10% (linear supply recommended)
 Current consumption 1A @ 12V DC, 0.5A @ 24V DC

Physical

Dimensions 200 x 220 x 45 mm (W x H x D)
 Weight 0.75 kg
 Housing Aluminium chassis with UL94 ABS cover
 Protection IP65
 Operating temperature -30 to +60°C
 Mounting Wall mounting as default. Pole mounting and adjustable mounting kits available

Inputs/Outputs

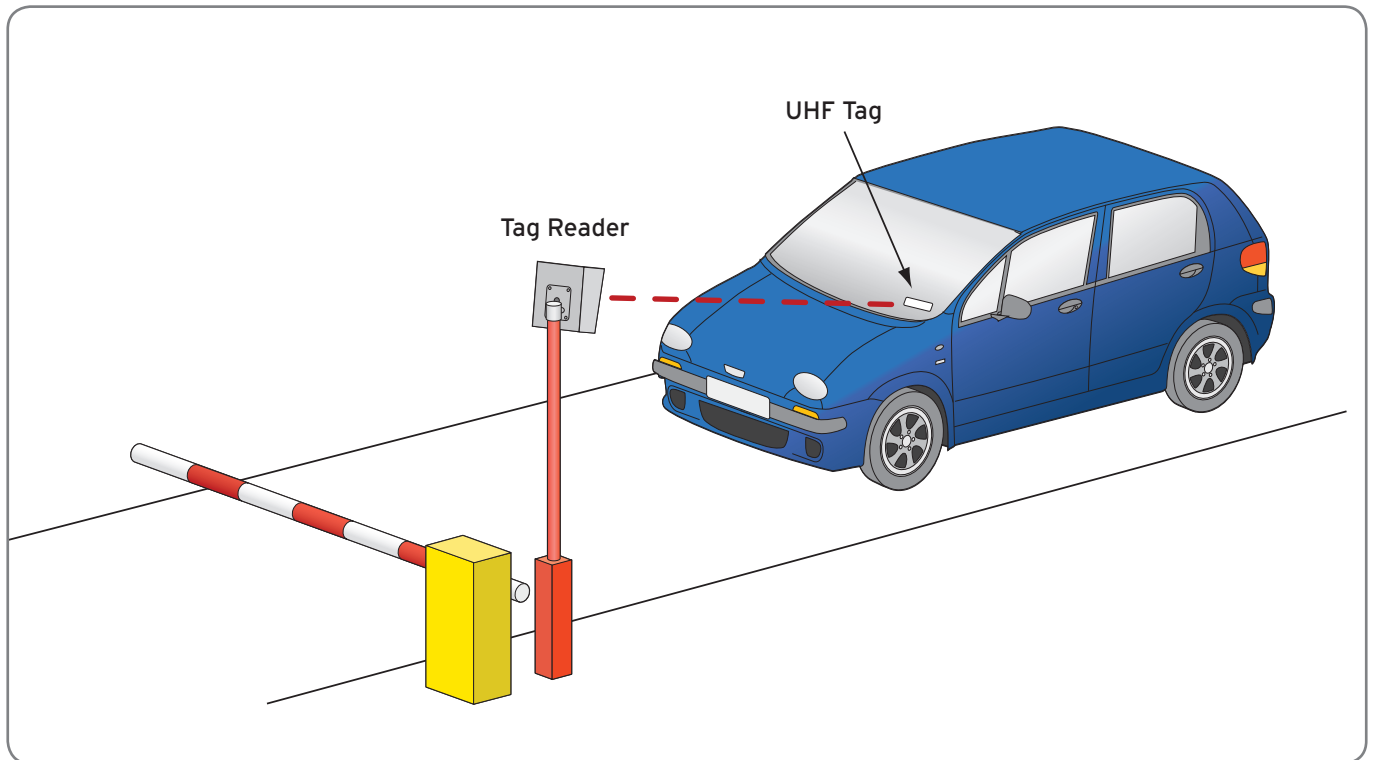
Input 1 dry contact or TTL
 Relay output 1 relay output (NO, common, NC), 24V DC, 2A
 Output Wiegand or Clock & Data (depending upon programmed tag format)
 Cable length Wiegand 150m. 22AWG

Operational

Operating frequency 865 - 868 MHz
 Detection range Up to 4 metres with passive uPASS UHF tags

uPASS AVI Long Distance Reader

Application



Ordering Information

- 9942319 Long range AVI reader with identification at up to 4 metres. ISO 18000 EPC Gen2 compliant.
- 9875840 uPASS Reach mounting set with adjustable arm.
- 7591152 uPASS Reach weather protection hood.
- 9945946 Long range UHF tag for windshield mounting. Programmed with secured customer specific ID number.
- 9946918 Tamper proof Long range UHF tag for windshield mounting. Destroys upon removal.
- 9943943 Long range UHF tag in ISO card format, not suitable for windshield mounting. Programmed with secured customer specific ID number.
- 9942343 UHF - Mifare 1K Card. Credit card sized ISO credential with combined UHF and HF Mifare 1K technologies.
- 9943960 UHF - Legic Advant Card. Credit card sized ISO credential with combined UHF and HF Legic technologies.
- 9942360 UHF - EM4102 Card. Credit card sized ISO credential with combined UHF and LF EM4102 technologies.



UPM40



UPM52