



Protean Vehicle Access Management



IDCUBE's Protean Controller is a new generation access control panel, designed specifically to meet Vehicle Access Management requirements. The two-reader controller is a reliable solution for high speed vehicle authentication and complex vehicle parking logics such as Parking Lot Occupancy Control & Multi-Tenant Vehicle Access Management.

Protean controller efficiently stores up to 10000 vehicle credentials and records up to 50000 events in offline mode. Serial communication interface for RFID Long Range Readers allows faster multi tag reading, which is not possible with standard Wiegand based interfaces on Legacy Access Control Panels. Apart from simplifying the system architecture, Protean controller provides significant cost advantage to the customers, making it the most sought –after vehicle management solution in the industry .

Protean controller has two variants:

1. Protean VBox
2. Protean Host

KEY FEATURES

IP based 2 Reader Vehicle Access Controller

Support 10000 vehicle credentials & 50000 transaction buffer

4 Inputs & 4 Outputs

Optional display interface port for Parking, VGA & HDMI displays

Lot Occupancy Control & Multi- Tenant Parking Management

Fast serial communication interface with IDCUBE IDLR family readers allows high-speed vehicle identification & authentication

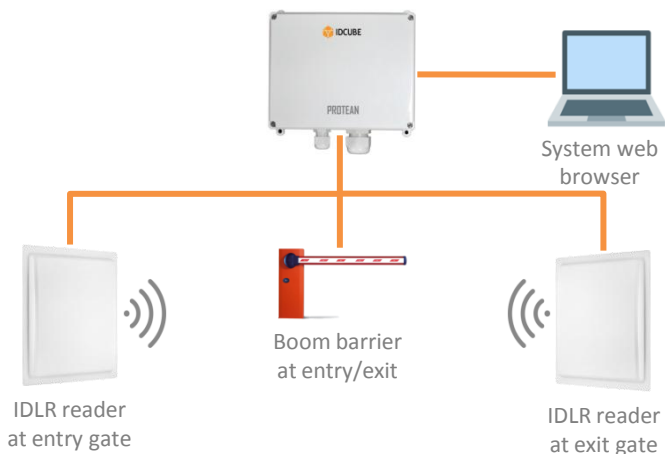
Timed Anti-pass back; Tag-in/Tag-out; Tag-in/ Free-Out

Supports pre-encoded and secured IDCUBE's ASSA vehicle credentials.

Solves long range vehicle authentication issues related to vehicles with multiple UHF RFID Tags

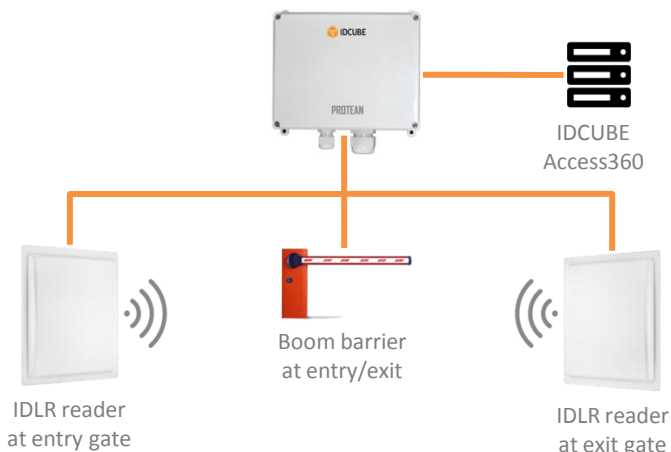
Protean Vbox

IDCUBE's Protean VBOX is specifically designed to control vehicle access in small enterprises & residential parking lots. It is a cost-effective, stand-alone, single-door IP-enabled access control solution that distributes intelligence right to the vehicle check point (boom-barrier). Because the user interfaces to the controller utilizes a standard web browser, there is no need to install software on a PC. The All-in-One Dashboard provides a simple user interface where the site administrator can add user information, modify access rights, pull history reports, monitor barrier activity and provide general administration of the controller.



Protean Host

Protean Host is an enterprise-level vehicle access management solution, which requires IDCUBE's Access360 server application for configuration. Protean Host allows user to perform more complex actions such as monitoring and controlling real time occupancy, advanced reporting and multi-tenant parking management. Protean Host can be seamlessly integrated with various third party systems such as bay management system, ANPR and user access control systems.



TECHNICAL SPECIFICATIONS

Characteristic	Parameter
CPU	ARM Cortex™-A5, Cortex™-M4, 500 MHz (A5), 167 MHz (M4)
RAM	256MB DDR3 (16 Bit)
Flash	512MB NAND (8 Bit)
Input	4 Dry Contact (Programmable)
Output	4 Auxiliary Output (Programmable)
USB	1x Host (High Speed), 1x OTG (High Speed)
Ethernet	10/100 Mbit IEEE1588
Reader Interface	RS232/TTL 232/ Wiegand*
Display Controller	Single
Graphics Controller	Integrated
RGB	1024x768x24bpp
HDMI/ VGA	Ad On
Operating Temperature	-40° to 70° C

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