

## P4V Contactless Card Reader for VeriFone Vx510 and Vx610 terminals

P4V is the contactless card reader for the VeriFone Vx510 and Vx610 terminals. It supports ISO14443 A and B as well as Mifare compliant transponders. The device is a base for any contactless payment and fare collection applications.

The reader is developed as an extension module for Vx 510 and Vx 610 terminals. It keeps all the existing features of the Vx terminal unchanged, especially those related to payment transaction security. It is easily field upgradeable at the merchant location and well integrates with the terminal. The module is connected to the terminal via two of its SAM slots and powered from this source.

From the terminal software point of view, the reader is accessible as just a SAM module, via the dedicated library.

The communication with the reader is based on the ISO7816-3 protocol specification.

For a fast software integration we offer the P4V Development Kit. It consists of P4V module, libraries, sample source code and demo applications.

The reader is CE and FCC compliant.

P4V



# P4V CONTACTLESS CARD READER

## P4V

### OVERALL DESCRIPTION

P4V contactless card reader from ASEC is dedicated to be a functional extension for the VeriFone Vx 510 and Vx 610 terminals. It supports ISO14443 A and B, including Mifare compliant transponders.

The flexible design of this module provides a way for the implementation of many payment and value added applications on VeriFone Vx 510 and Vx 610 terminals.

### P4V

The P4V contactless card reader is designed to support ISO/IEC 14443A/B and Mifare transponders.

### MODULE INTERFACE

P4V is accessible through ISO7816-3 compatible interface, based on T=0 protocol.

### POWER CONSUMPTION

P4V contactless card reader is designed to be powered from two SAM slots.

### INTEGRATION KIT

For developers who wish to integrate the module with the terminal applications, the P4V Development Kit is available.



### TECHNICAL DATA

RFID interface	ISO/IEC 14443 A/B parts 1, 2, 3, 4
Operating frequency	13.56 MHz
Module interface	TTL levels, ISO 7816-3 compatible, T=0 protocol
Dimensions	75×60 mm
Power supply	5V DC from the terminal SAM slot
Case	blue semi-transparent
Signaling	LEDs software controlled
Operating temperature	5 to 40 °C
Operating humidity	0 ÷ 95% (relative non-condensing)
Applications	Contactless card transactions
Operating range	up to 45 mm

