

RELEASE NOTES

# OnePA Payment Application

Version 8.1



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# 1. Introduction

## 1.1 Overview

This release covers Lane/3000, Lane 5000 and Self/2000 payment terminal hardware running OnePA Payment Application. The version is PCI (Payment Card Industry) SSS (Software Security Standard) validated and compatible with all payment channels available for Nets OnePA-terminals.

New Features:

- ✓ QKQ8 VISA Card Support
- ✓ Enhanced Card Identification for ECR
- ✓ Lane 5000 PCI PTS 6.X Support
- ✓ QR Code on Self/2000 terminal screen for Receipts

Technical Improvements:

- ✓ Improved handling of financial advices
- ✓ Improved CVM Logic for Contactless transactions
- ✓ Improved internal database handling

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## 1.2 Related Software for which this release has been verified

Ingenico Tetra SDK	Version 14.4.1. Patch K
EMV Contact kernel	Version 30.18.1.00
EMV Contactless kernel	Version 7.16.3.00
Baxi Agent	Version 1.8.3.1 & 1.8.2.0
Baxi Cloud (C@C)	Release version 2.0.6
ECR Integration	Baxi Interface via Ethernet & Cloud

**Note:** Customers and integrated are advised to test this version of Payment Application with their current version of Baxi Agent or update their Baxi Agent to the tested version as mentioned above.

## 2. New Features

### 2.1 QKQ8 VISA Card Support

Limited support for the QKQ8 VISA card with following functionality

- Reading of Transaction ID for transaction identification, which is returned to the ECR system.
- Reading of prompt indication from the card data and passed to ECR for it to utilize displaying necessary prompts.
- Reading of product restriction indicator from the card data and passed to other systems to allow enforcement of product-based restrictions.

### 2.2 Enhanced Card Identification for ECR

The payment application now supports masked PAN in the 8+4 format (up to 8 digits BIN in clear text) for Cardinfo and Local Mode responses within the context of terminal and ECR communication. This format will be applied if the card's BIN is 8 digits long and has been configured as such in the backend, enabling precise identification of specific cards.

**Please note:** This change applies only to ECR results; receipts will continue to display the masked PAN in the 6+4 format.

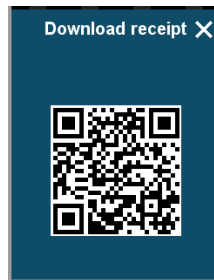
### 2.3 Lane 5000 PCI PTS 6.X Support

The payment application now also supports Lane 5000 PCI PTS 6.X version of hardware, ensuring compatibility with the latest PCI PTS (Payment Card Industry PIN Transaction Security) standards. This update extends support for the PCI PTS certification for years to come.

## 2.4 QR Code Generation for Receipts

This feature is available only for Self/2000 payment terminal. This will allow cardholders to scan a QR code on the payment terminal screen to fetch a copy of the receipt digitally post sales completion.

After an approved sale completion transaction, the payment application generates a QR code that will be displayed on the payment terminal's screen. Customers can scan the QR code to access their receipt digitally.



This feature is mainly useful for EV charging, where cardholders may not have access to a physical receipt and need to retrieve it via QR code. Currently, the QR code directs users to a pre-defined URL where they may need to enter additional credentials to obtain the receipt.

## 3. Improvements

### 3.1 Support for improved and safer advice handling

With this improvement, advices will only be sent only for approved transactions (online and offline) and not for declined transactions & technical reversals. This will result in better stability and less interruptions in transaction processing.

### 3.2 Improved CVM Logic for Contactless Transactions

Before this version, some contactless cards were rejected due to incompatible verification rules (CVM rules) with some payment cards. With this version, the card verification logic for contactless transactions has been improved.

The updated CVM logic for Visa, Mastercard, and American Express cards ensures that the terminal can process contactless transactions smoothly without rejecting them needlessly.

### 3.3 Improved internal database handling

Numerous improvements have been made to database handling of payment application, including the migration of transaction records during software updates and enhanced management of offline transactions. These updates ensure better data integrity, smoother offline processing, and more reliable transaction processing.

## 4. Defects Fixed

- Fixed incorrect issuer Id which reduces blocked transactions as found with version 7.1.4.
- Incorrect PAN information was sent for some advice after force offline transactions, resulting in incorrect charges. This is now fixed.
- In some cases, a decline receipt was printed for approved transaction which is not the case anymore.
- TVR values are now getting printed correctly for Force Offline transactions.
- Application Transaction Counter (ATC) values now also correctly available on receipts.

## 5. Known issues and limitations

- ✓ Incorrect Reversal: This issue is where full reversals for open pre-authorizations in the payment terminal are done incorrectly due to mismatch of reversal with the corresponding pre-auth. This is to be fixed in the next patch release.
- ✓ Fleet Card Offline Processing: Terminals displaying "Transaction not supported" for offline processing of fleet cards. This fix is available in the next patch release.