

Quick Chip for EMV®

Speed Up Your Chip Card Transactions



Visa introduces Quick Chip for EMV, a solution that speeds up checkout times on chip transactions at the point of sale and optimizes the consumer experience.

For years, U.S. consumers have been swiping their magnetic-stripe cards at payment terminals and putting them back in their wallet without waiting for their transactions to complete. Now you can ensure that same fast and easy payment processing for EMV chip transactions by implementing Quick Chip.

Quick Chip allows your customers to remove their card from payment terminals before the transaction amount is finalized or before the authorization response has been received.

Fast and Easy
EMV chip transaction
processing with
no merchant or
cardholder impact

Merchant Benefits of Quick Chip for EMV

- **Reduce transaction wait times.** Quick Chip reduces overall time to complete the transaction process - from transaction amount to post authorization.
- **Shorten card-in-terminal times.** Customers no longer have to keep the card in the terminal for the entire transaction time as Quick Chip allows for parallel processing, thereby improving throughput.
- **Improve customers' wait time perceptions.** With Quick Chip, there are no changes to the current terminal prompts. The reduced wait time for card removal minimizes cardholder friction.
- **Implement with ease.** The Quick Chip solution only requires a software download. It does not require any changes to standard EMV processing or to the chip card. No additional Visa or EMVCo testing or certification is required, and there is no impact to routing, your merchant bank, the network, or the card issuer.

How Quick Chip for EMV Works at the Point of Sale

1



Insert the card as prompted

2



Remove card when prompted
Processing should take no more than 2 seconds

3



Complete transaction
Follow prompts on screen to finalize transaction

Quick Chip for EMV Opportunities

Quick Chip streamlines the contact chip payment experience; the type of checkout experience will determine which opportunity a merchant will want to use:



Remove Card Before Authorization Response

Generate the EMV cryptogram based on the final transaction amount, but allow the card to be removed before the authorization response.



Generate Cryptogram Without Final Sale Amount

Create the EMV cryptogram before the final transaction amount is known and prompt the cardholder to remove the card. The final amount will be included in the non-EMV transaction data.

Quick Chip for EMV Processing – What’s Happening Behind the Scenes

Quick Chip allows for card removal as soon as possible, while still receiving an issuer response before the cardholder departs. As with magnetic stripe processing, the cardholder can insert the card at any time during the check-out process.

- At insert, the terminal follows standard EMV processing. If the final amount is not yet known, a predetermined amount is used. The predetermined amount will not impact issuer processing or approvals and is not indicative of the final amount.
- When the card generates an online cryptogram response, it is transmitted to the terminal as usual.
- The chip card is then notified that the card can be removed from the terminal, and the terminal displays a message to remove the card.
- Next, the terminal prepares and transmits the authorization request and receives a real-time authorization response. If a predetermined amount was used to initiate the chip transaction, the final amount in the authorization request may not match the predetermined amount. This does not impact transaction processing, because the issuer uses the final amount for authorization decisions.

For More Information

To learn more about Quick Chip or to get started with your Quick Chip solution implementation, contact your merchant bank or Middleware Application Provider.

For more chip information, visit www.visachip.com.

