

FAQ

Visa® Quick Chip and MasterCard® M/Chip Fast for EMV®



Benefits of Visa Quick Chip & MasterCard M/Chip Fast

- Reduce the amount of time the card is in the terminal and consumer's wait time for card removal
- Improve the consumer's perceived transaction time (particularly important where the cardholder hands over their card to a clerk)
- Lower the frequency of cardholders forgetting to remove their card from the payment terminal
- Supports U.S. Common Debit AID processing
- Support all cardholder verification methods (offline PIN will slightly extend the time the card remains in the reader)

What are Visa Quick Chip and MasterCard M/Chip Fast?

To address speed concerns for EMV chip card transactions, Visa developed Quick Chip, a solution to reduce the time the card must remain in the payment terminal. Shortly after, MasterCard announced their similar m/Chip Fast solution.

Both processes speed up the transaction by authenticating the EMV payment upon card insertion, using a cryptogram, enabling them to maintain the benefits of EMV. However, unlike the process today where the card must remain in the terminal until the authorization response is received, these solutions let the cardholder remove the card as soon as the terminal provides the card information (cryptogram & EMV tags/data elements) to the point-of-sale, without waiting for the authorization response. Alternatively, the EMV cryptogram can be generated and the card authenticated without the transaction being final, enabling the cardholder to complete the EMV portion of the transaction while the sale is in progress.

Should I upgrade to Quick Chip & M/Chip Fast?

Merchants should not feel forced to update to these newer processes if they are not experiencing issues with the current transaction process. Additionally, it is expected that the current process will improve as consumers become more accustomed to paying with EMV cards on a regular basis. Quick Chip & M/Chip Fast are ideal for select environments where fast transaction times are paramount – environments such as coffee shops, fast food, grocery and convenience stores.



Learn More

More information can be found on the Visa and MasterCard websites.

- Visa Quick Chip
<https://www.visa.com/chip/merchants/grow-your-business/payment-technologies/credit-card-chip/resources.jsp>
- MasterCard M/Chip Fast
<http://newsroom.mastercard.com/2016/04/21/partnering-to-bring-you-both-convenience-and-peace-of-mind/>

How do I implement Quick Chip & M/Chip Fast on my Ingenico Group payment terminal?

If this is for a standalone Ingenico Group POS terminal, Ingenico Group will need to include this enhancement into the development roadmap for each acquirer/processor application. Once that is released to acquirer/processors, it can be downloaded and deployed. Please inquire with your account executive about timing for these updates.

If this is for an ISV solution, then the update would be developed and released by the ISV.

Supporting this new process does not require any changes to the EMV kernel or require an EMV recertification.

“Quick Chip is a solution that improves the consumer’s transaction experience with relatively minor changes to the checkout payment terminal,” said Allen Friedman, Vice President of Payment Solutions, Ingenico Group. *“Being able to make this update using existing EMV chip infrastructure and not requiring re-certification means retailers can integrate this enhancement into their solutions with minimal impact to the POS terminal application.”*

What Ingenico Group payment terminals will support these processes?

All Ingenico smart terminals have the capability to support this enhanced functionality, but application development is required and some interface (RBA/UIA) modification is necessary.

What about the other card brands?

The other card brands have not announced support for this process. This currently only applies to Visa and MasterCard.

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