

Product Change Notification Bulletin

May 17, 2021

Regarding product: VP3300/VP8300 NEO 1.10 Firmware Update

Dear Customer,

IDTECH continuously strives to offer the best card reading solutions in the industry. Improvements and innovations are introduced to existing products with the main goal always being compatibility and the best product possible.

We have recently made some improvements to our VP3300/VP8300, which will change the revision lettering on the label. The part number will remain unchanged.

PN	Previous Rev.	Current Rev.	Effective Date
IDV8-300AP2	C	D	May 17, 2021
IDV8-300AP2D		A	May 17, 2021
IDV8-300P2	C	D	May 17, 2021
IDV8-300P2D	C	D	May 17, 2021
IDVP-11AP2	C	D	May 17, 2021
IDVP-11P2	C	D	May 17, 2021
IDVP11-P2D	C	D	May 17, 2021
IDVP-12P2	C	D	May 17, 2021
IDVP-31AP2	-	A	May 17, 2021
IDVP-31P2	C	D	May 17, 2021
IDVP-31P2D	C	D	May 17, 2021
IDVP-32AP2	C	D	May 17, 2021
IDVP-32AP2D	B	C	May 17, 2021



IDVP-32P2	C	D	May 17, 2021
IDVP-32P2D	B	C	May 17, 2021
IDVP-61P2	C	D	May 17, 2021

Changes to the VP3300/PV8300 are as follows

Category	Firmware
Item Number	ICC304R-DRT – Production
Description	VP3300 firmware is changed from NEO v1.10.024 to NEO v1.10.035

- DFEF4C/DFEF4D can be outputted when status code is 0x0A and transaction type is refund.
- Add tag 9F24 response in command 60-13 & Tag DFEE1A.
- Fix MSR for Mifare in ACT.
- Fix missing 9F1E of MasterCard and AMEX.
- DF7D can be set to 02 for MSR data with sentinel no LRC. Adding DFEE7D tag: 00 no sentinel and LRC, 01 sentinel no LRC, 02 sentinel and LRC.
- Force enter bootloader when bootup failed 5 times.
- Fallback response contains two DFEE25 tags, use GetEnhancedMSRData to get DFEE23 only.
- Correct DFEF4D tag length.
- Adding delay 400ms while autopoll and card inserting.
- Fix issue where sometimes unit didn't sync RTC from flash.
- Fix issue where reader can get stuck in a transaction state when remove ICC unexpectedly.
- Clear the MSR data when reader get resume USB event.
- Don't send response in auto poll mode when cancel EMV transaction and detect card fail with unknown kernel.
- Implement DFEC14/DFEC15, for configurable data in response in QC mode.
- Adding DFEC17. If DFEC17 bit 1 is set in Group 0 and encryption enable but MSR in Whitelist or is non-bank card, reader returns raw MSR data.
- Adding DFEF57 for firmware version in QC CTL response.
- Fix double 9F1E tag on CL via Discover card.
- In QCKB mode, Add output Tags DFED20,DFED21,DFED22 form CT and CTLS.



- When CT Start transaction (60-10 + tag DFEF1F) need output tags DFEF4C, DFEF4D
- Support reading of EC Giro card
- Reader will terminate the transaction when attempted to read a card with a blocked transaction, and respond with error state code 0x5036.
- Implement HMAC. 90-12 setting Retail MAC key, it should be 16 byte. If key and PAN exist, contactless transaction output contains DFED68 for PAN surrogate.
- Fix rebooting issue, while DFEC14 enabled and no SN.
- Add tag DFEC17(kernel version) for contactless output in QCKB mode.
- Output tag list is support tag DFEF5A not tag DFEE1A in QCKB mode.
- Use DFEC18 instead of DFEC17 to support contactless kernel version in QCKB mode.
- Change the max length of 0xDFEF5A to 128.
- Fix MSR swipe twice may get wrong DFEF4D data.
- Support 91-10 C7-A2 set/get whitelist length over 256.
- Support Apple ECP 2.0

Should you have any questions regarding this firmware update notification please contact your sales representative.

Regards,

Product Management Team

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