Changelog for firmware 1096 v3.01

Supported hardware

This firmware only supports the following reader variants:

- Micro Card Reader (10115-xxx-xx and 10117-xxx-xx)

- Micro2 Card Reader (12115-xxx-xx and 12117-xxx-xx)

For older products, we recommend firmware 1096 v2.40.03.

Changelog

3.01.01 (2024-06-20)

Bug fixes

- If both BALTECH Mobile ID and Tungsten Business Connect (previously: Kofax Business Connect) were activated, the reader failed to read either of them or any cards and could no longer be factory-reset.

3.01.00 (2024-05-17)

> This version also includes all features and bugfixes of the stable version v2.03 up to and including v3.00.03.

Features

- Added support for BALTECH Mobile ID. With Mobile ID, you can use smartphones to interact with BALTECH readers as an alternative to physical ID cards.

- Activated various power-saving measures to significantly reduce the reader's power consumption. These measures have no impact on the reader's behavior. The specific savings depend on the card type used.

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- On readers operating in Autoread mode, you can now disable individual maintenance functions cards, e.g. LicenseCards or ConfigCards, or maintenance functions via the NFC interface. To do so, you can use the new configuration value MaintenanceFunctionFilter.

- Using the new Lic.ReadLicCard command, you can now read and evaluate LicenseCards, even if the reader doesn't operate in Autoread mode.

- When a LicenseCard is presented, but that license type is not supported by the reader hardware or firmware, the reader now emits a specific signal pattern.

- On ISO 15693-based cards, you can now read block numbers above 256 using VHL and low-level commands.

- Added support for an expert Autoread configuration component that is available upon request.

- Added support for configuration files in BEC2 format that are exported from ConfigEditor without a reader connected to the PC.
  Note: This export functionality is only available in certain custom ToolSuite versions.

- When the block size of an ISO 15693 card is changed using a static VHL file, this changed block size is no longer implicitly applied when subsequently accessing the card using a different static or dynamic VHL file. In addition, you can now change the block size when creating a dynamic VHL file with VHL.Setup.

Bug fixes

- On Micro Card reader variants 12115-xxx-xx and 12117-xxx-xx, firmware uploads failed occasionally.

- Presenting a Cotag card for 10 seconds or more could cause the card to be read several times.

- Several boot statuses were incorrectly categorized as hardware errors, although they actually only require a firmware upload or reader reboot.

- Programmed card numbers couldn't be read from processor cards (e.g. NXP SmartMX) with DESFire emulation using Autoread.

- Updated LEGIC SM-4200 firmware to OS v4.4.0.0. This has improved read reliability, especially when used in metal environments with cards that have their antennas placed close to the edge.

- Bluetooth Peripheral Advertisement was enabled on readers configured to read the UIDs of all supported card types. Now it's disabled by default and needs to be explicitly enabled via the reader configuration.

- Aborting a VHL.ExchangeAPDU for ISO 14443-4 Type A inter-industry cards resulted in an undefined state when the command was executed in continuous mode.

- The Iso15.GetUIDList low-level command no longer worked.