SYNCHRONOUS-API VERSION 3.0.1.11
RELEASE NOTES

PLT-03649, Rev. A.0

January 2018

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Revision History

Date	Description	Revision
January 2018	Initial release.	A.0

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1 Scope

This document provides information for the Synchronous-API (Sync-API) firmware release 3.0.1.11. Included are product enhancements, fixes, known issues, system requirements, and limitations since the prior release. **Note:** The reference numbers associated with these features, issues and fixes are from a HID Global internal tracking system.

2 Enhancements and Fixes

- Added I2C, 2WBP, and 3WBP card support for AVR controller based contact readers.
- Updated the *Synchronous-API Software Developer Guide* (PLT-03635) to document new functionality.
- Replaced the previous **.hlp** file with a **.chm** file.
- Updated the Sync-API Developer Guide to include new functionality.
- Updated the Sync-API SDK package for Visual Studio 2017 edition.
- Created new 32- and 64 bit installer packages.

3 Known Behaviors and Issues

3.1 Appropriate runtime dependencies are required

Sync-API was developed in Visual Studio 2017 so it requires appropriate runtime dependencies to be available on the deployment PC in order to operate. The C++ redistribution package for Visual Studio 2017 (called runtime dependencies) are included within the Sync-API installer but sometimes additional Microsoft patches need to be installed in advance on the PC. Please refer to the following Microsoft page, where minimal service pack information is listed: https://support.microsoft.com/en-us/help/2661358/minimum-service-pack-levels-for-microsoft-vc-redistributable-packages

- Windows 10 (x64 and x86)
- Windows 8.1 (x64 and x86)
- Windows Server 2012 R2 (x64)
- Windows 8 (x64 and x86)
- Windows Server 2012 (x64)
- Windows 7 SP1 or later versions (x64 and x86)
- Windows Server 2008 R2 SP1 or later versions (x64)
- Windows Server 2008 SP2 or later versions (x64)
- Windows Vista SP2 or later versions (x64 and x86)
- Windows Server 2003 R2 RTM or later versions (all editions)
- Windows Server 2003 SP2 or later versions (all editions)
- Windows XP SP3 (all editions except Starter Edition) Please be aware, that Windows XP support might be limited due to Microsoft regulations and support policies.

3.2 The AVR controller based version of the OMNIKEY 3121 can not read some older card formats (TTP9938).

The root cause is in the reader as it initializes card communication at an improper voltage level (3V), which can result in communication with the card ending with unpredicted results (error response, positive response but write operation is not performed, etc.). A workaround is described in the *Synchronous-API Software Developer Guide* (PLT-03635).

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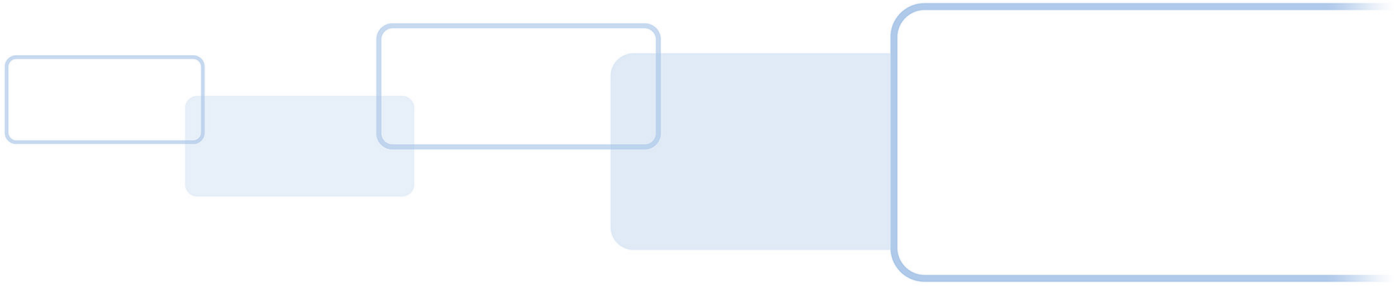

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