

HIRSCH Velocity 3.7 SP1 Release Notes

by IDENTIV

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Overview

The Velocity 3.7 SP1 release includes:

- Support for Allegion's **Schlage** wireless AD, NDE and LE lock systems
- Velocity Web Services Client (VWSC) Single Sign-On which uses Windows login credentials, including PIV/CAC login, to authenticate users
- [Improvements and Bug Fixes](#)

This document also summarizes the [System Requirements](#).

IMPORTANT INSTALLATION NOTES:

- **Before upgrading to Velocity 3.7 SP1 (from a Velocity 3.6 release), you must register your Velocity software and obtain the necessary license(s).** See the [Velocity Licensing](#) topic for details.
- Existing Velocity users moving from 3.6 to 3.7 should use the Velocity Update Wizard. This wizard simplifies the effort required to upgrade, and uses smaller installation files than the Upgrade Wizards provided for previous versions of Velocity.
- New installations of Velocity 3.7 SP1 require Microsoft SQL Server 2014 or later. Velocity 3.7 SP1 provides you with the option to install the free Express edition of SQL Server 2014. If this Express edition is not adequate for your needs, then you must install a licensed edition of a supported version (2014, 2016, or 2017) of SQL Server, before doing a new Server installation of Velocity 3.7 SP1.
 - If you already have SQL Server 2014, 2016, or 2017 installed on your server, the Velocity 3.7 SP1 Installer detects and uses your full edition of SQL Server for the Velocity database.

System Requirements

Before installing Velocity, make sure your server, workstation, or client computer meets the following requirements.

Hardware Requirements

In summary, the hardware minimum requirements for a computer performing the role of a Velocity 3.7 SP1 Server, Client, or Workstation are the same as for the Velocity 3.6 release. Here are the detailed hardware requirements for each role.

For VEL-SERVER:

- x64 3.10 GHz CPU (or equivalent)
- 16GB RAM
- RAID 1 Configuration Recommended
 - RAID 5 Configuration NOT Recommended (Due to degraded SQL write performance)
 - 300GB 15K RPM HDD (SSD preferred)
- DVD drive (or use a soft copy on USB)
- 1 Ethernet port

For VEL-EXPRESS (Workstation, Client):

- x64 3.10 GHz CPU (or equivalent)
- 8GB RAM
- 250GB 7.2K RPM HDD (or equivalent)
- Mouse
- Keyboard
- 20-inch LCD monitor
- 2GB video card
- Speakers
- 1 Ethernet port

HINT: More RAM, a faster processor, fast disk read/write speeds, and a high-end video card are recommended and will improve performance for most applications; it will also help ensure long-term compatibility with system expansion and upgrades to Velocity, the Windows operating system, and the SQL Server database.

Operating System Requirements

The following table shows supported versions of Windows by Velocity 3.7 SP1.

Computer role:	Versions of Windows supported by Velocity 3.7 SP1
VEL-SERVER	<ul style="list-style-type: none"> • Windows Server 2016
VEL-EXPRESS (Workstation, Client)	<ul style="list-style-type: none"> • Windows Server 2016 • Windows 10 Pro

Note: Operating System versions which Microsoft no longer officially supports are not recommended for use with Velocity.

For more information please visit: <https://support.microsoft.com/en-us/help/13853/windows-lifecycle-fact-sheet>

Database Requirements

Your organization's IT department's policies might determine whether you can manage your own SQL Server database for Velocity or must run the Velocity database on an existing SQL Server managed by IT.

New installations of Velocity 3.7 SP1 require SQL Server 2014 or later. Velocity 3.7 SP1 provides you with the option to install the free Express edition of Microsoft SQL Server 2014.

If you are updating or upgrading an existing installation of Velocity to the 3.7 SP1 release, certain older versions of SQL Server may work for the update but are not officially supported. If you already have SQL Server 2008 R2 SP3, 2012 SP2, 2014, 2016, or 2017 installed on your server, the Velocity 3.7 SP1 Installer detects and uses your full edition of SQL Server for the Velocity database.

Firmware Requirements

Software

Product	End of Sale	End of Service	Notes
Velocity 3.7	N/A	N/A	CCM 7.6.40.05 (D*T and Mx) SNIB2 6.52 SNIB3 2.04.1038
Velocity 3.6	July 2018	N/A	CCM 7.6.1.13 (D*T and Mx) SNIB2 6.52 SNIB3 2.2.26
Velocity 3.5	September 2015	December 2018	CCM 7.4.53 (D*T and Mx) SNIB2 5.99
Velocity 3.1	October 2012	March 2016	CCM 7.4.25 (DIGI*TRAC) SNIB2 5.98
Velocity 3.0	September 2008	April 2013	CCM 7.4.0 (DIGI*TRAC) SNIB2 5.28
Velocity 2.6	November 2006	November 2010	CCM 7.2.07 (DIGI*TRAC)
Velocity 2.5	May 2004	November 2010	CCM 7.2.03 (DIGI*TRAC)

Hardware/Firmware

Product	End of Sale	End of Service	Notes
SNIB3, RREB	N/A	N/A	Current SNIB3 version 2.04.1038
Mx-2/4/8	N/A	N/A	Current CCM version 7.6.40.05
SNIB2	N/A	N/A	Current version 6.52
AEB8, REB8, MEB	N/A	N/A	N/A
M1, M16, M64	N/A	N/A	Current CCM version 7.6.40.05
M2, M8, MSP-8R	December 2017	December 2019	Current CCM version 7.6.40.05
XBox, SNIB	December 2018	December 2020	N/A
DL1, SCIB	April 2014	June 2016	N/A

Compatible Builds of Integrations or Optional Components

The following table shows the compatible builds of integrations or optional components for Velocity's recent releases.

Component:	Compatible build for Velocity 3.7 SP1
Velocity Web Services Client	3.6.9.573
Hirsch Video Integration framework	
plug-in for Aventura	1.1.5.464
plug-in for unified American Dynamics	1.1.5.217
Edge EVO Controller Integration	1.0.3.3

The following table shows the compatible builds of the software components in Identiv's FICAM Solution, corresponding with Velocity's most recent releases.

FICAM Software Component:	Compatible build for Velocity 3.7 SP1
CCM firmware	7.6.40.05
SNIB3 firmware	02.04.1038
OS component	01.04.0002
Driver component	01.05.0002
uTrust TS Government reader firmware	2.1.495
Velocity	03.06.009.1601
Velocity Certificate Checking	3.6.8.215

Service (VCCS)	
Veridt Reader Firmware	7.20.18

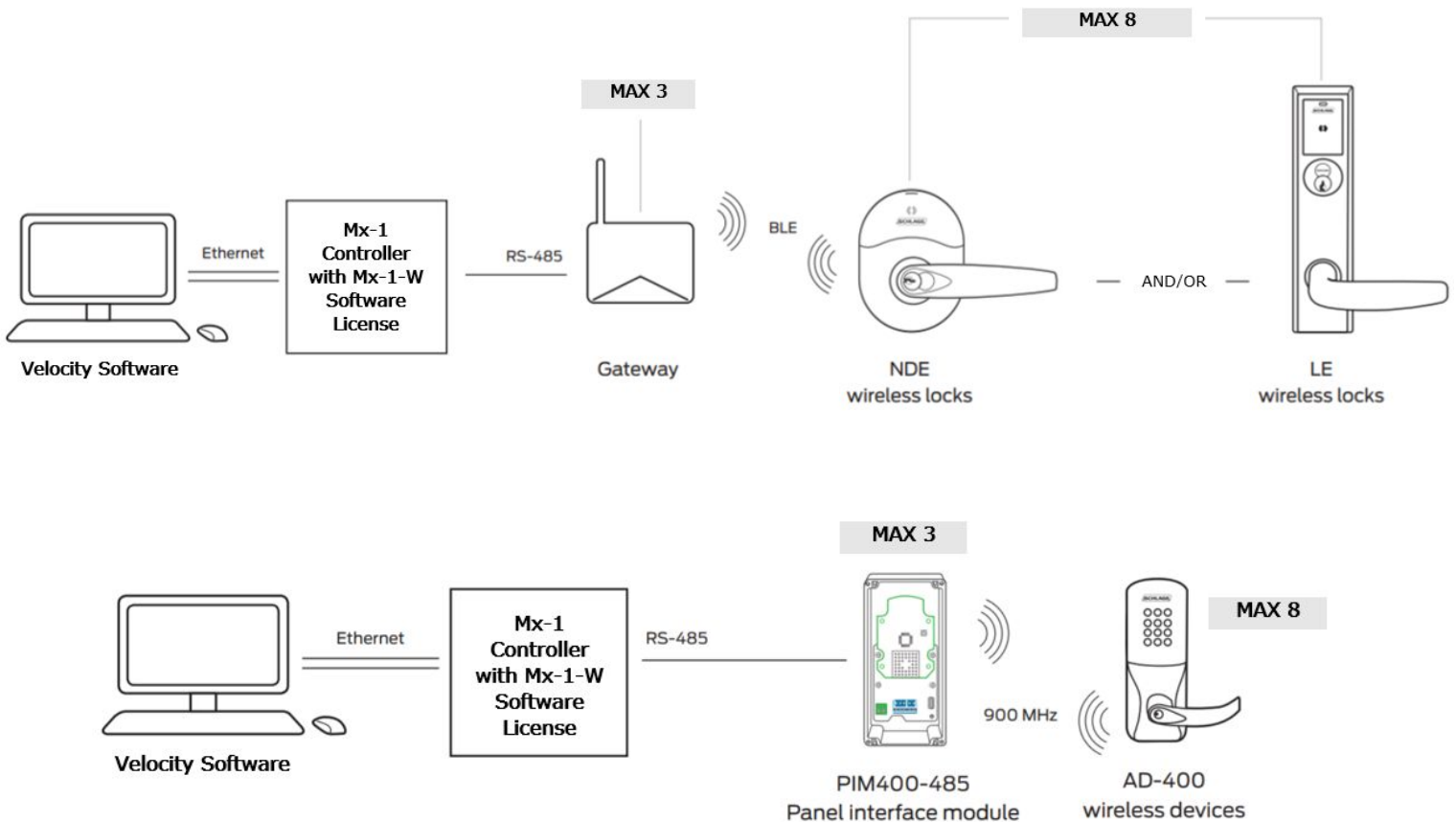
For more information about Identiv's FICAM Solution, see the **FICAM Solution** section of topics in the Velocity main help system. Information about the hardware components of Identiv's FICAM Solution is available in recent versions of the **DIGI*TRAC Systems Design and Installation Guide**.

New Features and Enhancements

This section summarizes the new features and enhancements introduced in the Velocity 3.7 SP1 release. (More detailed information about each feature is provided in the product documentation such as Velocity's online help system or the **DIGI*TRAC Systems Design and Installation Guide**).

Support for Allegion's Schlage wireless lock system

Velocity 3.7 SP1 includes support for Allegion's **NDE, LE and AD-400** wireless locks, using one Mx-1-W controller to manage up to eight Schlage wireless locks. The following diagram shows the key components of Velocity's support for Allegion wireless locks:



Here are some additional things to note about support for wireless locks in this release:

- Added support for up to 3 ENGAGE Gateways or PIM400-485s when connected and powered by a single Mx-1 RS-485 port (maximum 8 locks)
- Added support for up to 3 Aperio Hubs when connected to and powered by a single Mx-1 RS-485 port (maximum 8 locks)

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- Updated Door Properties dialog to show the appropriate details for a wireless door, when the Reader Interface option has the new **Wireless Interface** value **Allegion RSI**.
- For Schlage AD series Locks, when door relay timer is set 11 to 19 seconds, the door will be closed at 10th second or 20th second. This is because Wake On Radio (WOR) is set as 10 seconds.
- There is no Hub Tamper event messaging in Velocity when there is no lock paired with the Allegion ENGAGE Gateway
- Wireless locks require a “Velocity Mx-1-W” license component.
- On the **Door Properties** dialog > **Entry Reader** (or **Exit Reader**) page > **Card Reader Setup** subpage, the **Octal Pass-Through (DP)** option for the MATCH Algorithm does not work for a wireless lock.

For more information, see the new “DIGI*TRAC Hardware Configuration > **Wireless Locks**” section in the Velocity 3.7 SP1 main help.

Reminder - Velocity Licensing

Coinciding with the Velocity 3.7 release, all customers and certified Hirsch/Identiv dealers will need to register their Velocity systems to continue receiving Support and access to the latest software release and announcements. To register your Velocity system, follow the [Registration Link Here](#).

Starting with the Velocity 3.7 release, all Versions of Velocity REQUIRE licensing. **Velocity Express** edition and **Velocity Server** edition replaces the previous editions of Velocity (Velocity Unlimited Edition and Velocity FED Unlimited Edition).

- The **Express** edition supports up to 32 modules, with Velocity running on a standalone workstation.
- The **Server** edition initially supports up to 64 modules, one Velocity Server, and ten Windows-based thick Clients.

Velocity license modules are NOT required for user credentials or browser-based Web Client connections.

Velocity Single Sign-On

Velocity 3.7 SP1 now supports Single Sign-On; allowing a user’s Windows Login credentials (including PIV/CAC Login) to be recognized and applied to the Velocity Web Services Client. The user will skip authentication and gain access to their version of Velocity.

Improvements and Bug Fixes

Velocity Improvements and Fixes

Reference ID	Summary
PAC-22	Added support for 127 character length passwords
PAC-30	Improved performance for Enrollment Manager when operating on high-latency networks
PAC-439	Improved messaging when the VWSC installer fails
PAC-477	ScramblePad at Reader 4 reports online/offline status while disabled
PAC-489	Fixed inability to Acknowledge and Clear Alarms for camera related alarms in Graphics
PAC-490	Added ability to specify Controller Date/Time for local history reports
PAC-626	Fixed option to disable XBox from Device Control actions in Velocity Web Client
PAC-628	Fixed issue with wrong column headers using “Export to Excel” feature
PAC-746	Code Access Security is enabled for multiple connections from a single RemoteApp server
PAC-815	Removed readers from Device Control page within Velocity Web Client
PAC-819	Scanning PIV Card without entering a PIN no longer causes an error

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PAC-980	Fixed issue when adding function to Credential or Credential Template
PAC-1034	Fixed anomaly affecting acknowledge time in the Alarm Viewer randomly displaying 00:00:00
PAC-1068	Re-enable and download credential when UDF expiration date is reset
PAC-1089	Fixed error message when switching between Status Viewer Groups with wired doors to Status Viewer Groups with wireless doors
PAC-1188	Fixed error opening door properties (error in setTimeZone)
PAC-1213	Updated support for Secugen Hamster Pro 20 Fingerprint reader on Windows 10 for FICAM PACS registration
PAC-1323	Fixed licensing error messaging when starting any Velocity service via client using Velocity Service Control Manager