CCM/CCMx Version 8.0.00.059

IDENTIV

Critical: This document describes critical firmware updates for all Dealers and Government Agencies.

Overview

This document describes the changes in the CCM and CCMx firmware since version 7.6.46.

Like previous versions numbered 7.5.x, version 8.0.00.059 of the CCM/CCMx firmware works on the traditional CCM7 module used in controllers such as the M2 and the M8, and on the newer CCMx-2, CCMx-4, and CCMx-8 modules used in the Mx controller. It also works on the CCMx components built into the main board of the Mx-1 single-door controller. This firmware package includes both a CCM BIOS component (for all controllers) and a STM-RTC component (for Mx controllers). The version numbers of these firmware components are shown in the following table:

CCM\CCMx version	CCM BIOS version	STM-RTC version
8.0.00.059	7.6.50	7.5
7.6.46	7.6.30	7.4
7.6.44.07	7.6.30	7.4
7.6.43.06	7.6.30	7.4
7.6.42	7.6.30	7.4
7.6.40.05	7.6.30	7.2
7.6.20.25	7.6.02	7.2
7.6.01.13	7.5.75	6.0
7.6.01.12	7.5.66	5.5
7.5.64.95	7.5.65	4.6
7.5.61	7.5.28	4.4
7.5.37	7.5.28	4.0
7.5.36	7.5.28	4.0
7.5.28	7.5.28	4.0

CAUTION: If you have an Mx controller running a CCMx firmware version earlier than 7.5.28, you MUST first upgrade to version 7.5.28 before you download version 8.0.00.xxx to that controller.

Note: Downloading version 8.0.00.059 to an Mx controller running CCMx firmware version earlier than 7.5.28 will lock up that controller.

Improvements Made

The new CCM v8.0.00.059 with Velocity v3.8.1.2648 and SNIB3 Firmware v03.00.1197, supports a SNIB3-based credential database. Customers can take advantage to support at least 500,000 credentials without the need of Memory Expansion Boards and save their download time for large credentials in a couple of orders of magnitude faster.

If you downgrade either the CCM or the SNIB3 firmware your controller will cold-start to avoid any database conflicts and reset back to CCM database location mode. You must re-download all credentials and configurations.

Note: Users updating to CCM v8.0.00.059 should also update their SNIB3 Firmware to v03.00.1197 version so that ScramblePad™ features in the reader settings page work properly.

Bugs Fixes

Reference ID	Description
PAC-812	Credentials Database was getting corrupted when it started running out of space.
PAC-1223	Disable the "System code is 123!" error checking if system code is disabled.
PAC-1357, PAC-1232, PAC-1949, PAC-2282	Card reader and keypad bezel tamper issues corrected.
PAC-1749	Onboard Wiegand Interface (STM-RTC) improvements for frequent card reads.
PAC-2147	Changing Day/Use/Absentee Limits radio buttons under Limits tab->Credential Properties shall update (download) credential record in controller.
PAC-2203	Relay 1 sometimes stopped working when FICAM credentials were presented. Also resulted in an extra "Midnight Report" event.
PAC-2326	TS readers connected to RS-485, "Clear Code Tamper Credential" issues - Code tamper LED and buzzer does not stop.
PAC-2477	PIV-I credentials erroneously denied, full UUID code reported in Event Window.
PAC-3279	PIV-I credentials work just fine on RS-485/OSDP readers, but fail on Onboard Wiegand readers.

Known Issues

PAC-2952, PAC-3069, PAC-3173, PAC-3272	Mx-1 controller issue only: Upgrading or downgrading CCM or SNIB3 firmware may cause your Mx-1 controller to not come back online automatically, requiring a power cycle.