CRESTRON®

3-Series Firmware

1.600.0092 – May 11, 2019

Product or Content Description

Package Update File for the CP3N

Package contents:
Cntrl Eng: v1.600.3781.33119
Updater: v 1.0.33
Bootloader: v1.29.00
RouterBootVersion: v4
RouterVersion: 1.004.0003
RouterRev2BootVersion: v205
RouterRev2Version: v 2.000.0053
IOPVersion: v1.3177.00007

System Requirements and Dependencies

Software Requirements:

!! Device Database 91.00 or greater

Operational Installation/Upgrade Instructions

When upgrading from 1.007.0019 or later, the recommended upgrade steps are:

- Use FTP client such as Filezilla to upload the file to \FIRMWARE, or using Toolbox FileManager, upload the file to \ROMDISK\USER\SYSTEM
- Using Text Console, use the command: PUF <Filename>

Version History

Version 1.600.0092   May   11, 2019
Changes since Last Version

New features
- Upgraded cryptography libraries, used for TLS and SSH

Updates

- General security enhancements
- General and stability enhancements for XiO Cloud
- General and stability enhancement for SNMP
- Enhancement for Certificate utilities
- Enhancements for AuditLog
- Enhancements for AutoUpdate
- Stability enhancements for RemoteSyslog
- Stability enhancements for Secure Sockets
- Stability enhancements for FITC connections
- Stability enhancements for Crestron Web Sockets
- Stability enhancements for BACNet
- Stability enhancements for 802.1x
- Remove unnecessary messages from logs

Bugs

- Fix issue where closing instance of UDP socket in S+ code results in other instance not able to receive data
- Fix for MPC3-10x wakeup issue

Known Issues

- SSLVERIFY is OFF in CA mode, it should be enabled
- When you are upgrading a router-based control system from 1.504 or before, if 802.1x was enabled, it will be disabled after the upgrade to 1.600. Please be aware that this means you may lose network connectivity, as the system won't authenticate on 802.1x.

Version 1.504.0040.0004   February 14, 2019

New features

- Added support for loading programs via XiO Cloud

Updates

- XiO Cloud enhancements
- Update webserver to use TLS1.2
- Improve Secure Socket robustness

Bugs

- Fix issues with LEDs in MPC3

Version 1.503.0070.0001   November 16, 2018

New features

- CTP and Telnet are disabled by default
- Add a default SSH Banner which prints a warning recommending securing the device

Updates
- Updated support for XiO Cloud
- Updated support for Dynamic BACNet
- Updated support for BACNet stack
- Updated support for Auto Update
- Updated support for SNMP walks
- Stability update for Secure Client connections
- Stability update for Web Sockets
- Stability update for TimerEngine

Version 1.503.0026 June 1, 2018

New features
- Updated IR support file with latest set of standard commands for Crestron Studio
- Support for new EISC's for communicating with Virtual Control

Bug fixes
- Resolved issue with data not being sent to extenders of GWEXER on update request
- Resolved issue with XiO Cloud connectivity

Version 1.503.0016 February 28, 2018

New features
- Add support for XiO Cloud

Bug fixes
- Resolved router port forwarding issues at system boot
- Resolved BACNet COV issue

Version 1.502.0039 August 15, 2017

Bug Fixes
- Resolve issues with exceptions when a 3 series is slaved to another 3 series controller
- Updated the range of valid ports allowed for BACnet

Known issues
- When a system is configured with one of the time zones listed below, performing this firmware upgrade will set the time zone back to the default time zone of Pacific Standard Time
```
Time Zone: 120  UTC-11
Time Zone: 121  Venezuela Standard Time
Time Zone: 122  Russia TZ 9 Standard Time
Time Zone: 123  W. Australia Standard Time
Time Zone: 124  W. Central Africa Standard Time
Time Zone: 125  W. Europe Standard Time
Time Zone: 126  W. Mongolia Standard Time
Time Zone: 127  West Asia Standard Time
Time Zone: 128  West Bank Gaza Standard Time
Time Zone: 129  West Pacific Standard Time
Time Zone: 130  Russia TZ 8 Standard Time
```
  The time zone should be set back to its correct configuration after upgrading the firmware

- When Telnet and standard Web services are disabled and a firmware upgrade is performed the services will be re-enabled. After upgrading it will be necessary to disable them

Version 1.502.0029   June 7, 2017
Updates
- Resolve issues with the rf subsystem being out of sync causing a loss in functionality unless the unit was rebooted.
- Resolve issues with the AutoUpdate engine.
- Resolve issues with the Bacnet Stack for Invoke Id optimizations
- Resolve issues with the printing of the username in the whoami command

Version 1.502.0026   May 17, 2017
Updates
- Initial release for the ZUM-FLOOR-HUB

Version 1.502.0020   April 6, 2017
Updates
- Add support for the IGMPProxy command.
- Resolve issues with Websockets connectivity.

Version 1.501.0106   January 31, 2017
Updates
- Reduced extraneous messages in log.

Version 1.501.0008   December 15, 2016
Updates
- Initial release for the DMPS3-4K-200-C / DMPS3-4K-300-C.

Version 1.501.0105   November 7, 2016
Updates
- Reduced extraneous messages in log for websocket connections.

Version 1.501.0104   October 26, 2016
Updates
- Improve network resilience for websocket connections
- Resolve issue with BACnet where network outage could cause devices to go offline

Version 1.501.0041   October 14, 2016
Updates
- Resolved AV Framework and Fusion interoperability issues

Updates

- SIMPL Debugger fix
- Resolved issue where gratuitous ARPs would cause devices to lose IP address assignments.
- Added support for SHA256 Certificates.
- Added support for Crestron Web Scripting, allowing SIMPL# to to tie into the built-in webserver.
- Optional parameters added to the CreateCSR command.
- Auto Update changes needed for the new tool.
- Resolved issues with TSW Panels not connecting over SSL.
- Resolved issues with 802.1X where we incorrectly advertised support for PEAPv1.
- BACnet fixes:
    - Foreign Device registration is now saved across reboots.
    - Added new console command to disable a Read following a write.
    - Memory leak fixes when NumberOfStates join was not being used for the Multi state.
    - Initiate Foreign device registration before sending out a WHO-IS or I-AM.
    - Resolve memory corruption issues.
    - Handle broadcast unconfirmed COV notifications.

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