

Release Notes Com'X 200/210/510 v2.1

Release Date: December 15, 2015

Added

Device Types (Com'X 510 only)

1. PM2120
2. PM2130
3. PM2220
4. PM2230
5. SEPAM 2000
6. SEPAM Series 10
7. SEPAM Series 20 (STM and B)
8. EM4300
9. BCM50A
10. BCM100A
11. Accusine PCS+

Fixed

General Improvements/fixes

- All Com'X models now use the same version number (2.1).
- All Com'X models now share the same native Modbus gateway implementation.
- Updated support for Schneider Electric Facility Insights development.
- Improvements were made for Custom Device Type Models (bug fixes for Com'X 510)
- Publication support for Weather Sentry™.
- Protocol support: Zigbee Pro for Com'X 510 (to EM4300)
- Ability to gateway to Zigbee device data by external Modbus TCP/IP clients. (All Com'X)
- Monitoring support has been added for non-communicating equipment/sensors connected to the Com'X 510 digital inputs as well as ones connected to the variants of the Acti 9 SmartLink.
- Firewall management support added to the Com'X 200/210 to match Com'X 510.
- Corrected date/time format used in all languages which prevented accurate display of data
- Incremental performance improvements aimed at reducing boot up time when configured, device discovery time, and device creation. Performance improvements targeted as priority in each new development cycle.
- Additional bug fixes.

Additional Details regarding improvements / fixes:

Native Gateway in Com'X 200/210:

The Com'X 200/210 now shares the native gateway supported in the current release version of the Com'X 510. Advantages to this are:

- Unified gateway implementation across all products
- Modbus Diagnostics including per device diagnostics
- Configuration support for the Modbus Server and Client(s)
- Advanced Ethernet settings in support of Modbus Gateway
- Reduced message latency

Zigbee Pro support Com'X 510:

The Zigbee Pro support provided in the Com'X 200/210 has been added to the Com'X 510. The support includes the ability to discover, monitor, log, and publish data from a Zigbee device. *The EM4300 is currently the only Zigbee device supported in the Com'X.*

Zigbee Gateway Com'X 200/210/510:

The ability to access Zigbee device data by external Modbus TCP/IP clients is now supported. The Com'X will now create an internal Modbus Slave for each connected Zigbee device. External clients gain access to the Zigbee device data by addressing these slaves. A Modbus map for each Zigbee devices is provided in the User's Manual.

Weather Sentry Publication Support Com'X 200/210:

The list of publication frequencies now includes a five minute selection labeled "Weather Sentry". This publication frequency was added specifically Telvent installations. *(It should be understood that the number of devices and topics must be held to a small number).*

Equipment (Sensor) Support Com'X 510:

Monitoring support has been added for non-communicating equipment/sensors connected to the Com'X 510 digital inputs as well as ones connected to the variants of the Acti 9 SmartLink. It will now be possible to monitor the built-in pulse meters and temperature sensors on the Single Device View and Summary Device View pages.

Firewall Management for Com'X 200/210

The firewall management feature currently supported by the Com'X 510 has been implemented into the Com'X 200 and 210 models.

- This allows the Modbus Gateway port to be open over over GPRS. It is now possible to access device data over GPRS via the Com'X gateway.
- Also supported is the ability to open the Com'X Web Server over GPRS allowing the user to access the Com'X over HTTP/HTTPS for monitoring and configuration. *(Although this is possible, given the slow transmission time of GPRS, it is not recommended to have access via GPRS as the main interface to the Com'X)*

Performance Improvements for Com'X 210 / 510:

Incremental performance improvements are a priority with each development cycle. During this cycle there have been incremental improvements that

- Reduced start-up time when configured
- Reduced discovery time
- Reduced the device creation time
- Eliminate HMI 'lock-up' when creating more than forty devices

Custom Device Creation:

- Corrected problems encountered when creating a device using a custom model that uses a Boolean measurement.
- Corrected the issue preventing the creation of custom devices that use the 0x01 and 0x02 Modbus function codes
- Corrected the issue preventing input register reads using the Modbus 0x03 function code
- Corrected issues seen when creating a custom model which includes overlapping of measurement readings between frames.

Trending and Dashboards:

- Corrected date/time format used in all languages which prevented accurate display of data

Corrected other date/time issues

Notes:

Zigbee devices can be accessed using gateway functionality. User needs to be aware that the data provided by the Zigbee device is being mirrored on the Com'X. The register list for supported Zigbee devices is in the Com'X User Guide.