



# JMobile V4.5

## Release Notes





## JMobile V4.5 Release Notes

New **features** and **fixes** in JMobile V4.5.

All items are referenced with their Ticket ID number. This is the number used as reference during development; it uniquely identifies the activity.

V4.0 SP1      Last Service Pack version number  
**V4.5**            **Current release version number**

All items are classified as

Feature:      implementation of a new feature

Bug:            solution to problems reported by users. Summary may include the CRM case identification number assigned during technical support.

| Category     | Summary  | Ticket ID | Type    |
|--------------|--|-----------|---------|
| Alarms       | Add Date Format property in action DumpEventArchive - Case ID: 202005162   | JM-16862  | Feature |
| Alarms       | Add Touch Ack Notify sent only when the Ack is performed locally by the HMI - Case ID: 202102663                           | JM-17767  | Feature |
| Branding     | Added new X5 wireless model  | JM-15395  | Feature |
| Branding     | Added new JSmart700M models  | JM-16513  | Feature |
| Branding     | Added new eX700M models  | JM-17395  | Feature |
| Branding     | Added new eX715MG model  | JM-18140  | Feature |
| Branding     | Added new eXware707M model   | JM-17650  | Feature |
| Branding     | Added new XA5 models   | JM-17513  | Feature |
| Branding     | Added new X5 wired model   | JM-16933  | Feature |
| CODESYS v3.0 | Updated CODESYS to version 3.5 SP16  | JM-18190  | Feature |
| Gallery      | Review and improve widget gallery  | JM-10510  | Feature |
| Generic      | Add to project properties a flag to allow users to disable any type of popup controlled by runtime                         | JM-17914  | Feature |
| Javascript   | Added JS profiling in Runtime developer tools for deep diagnosis   | JM-15782  | Feature |
| Javascript   | Dialog size can be changed from JavaScript up to 1920x1080 resolution - Case ID: 201907118                                 | JM-15858  | Feature |
| Javascript   | Added API for Load project / Last visited project actions  | JM-18616  | Feature |
| JM4Web       | JM4Web: Extend gesture area widget with possibility to execute one shot actions on new events + support for gstArea widget | JM-12691  | Feature |
| JM4Web       | JM4Web: Added Scheduler widget in read mode  | JM-14120  | Feature |
| JM4Web       | JM4Web: added support for widget filtering   | JM-15607  | Feature |
| JM4Web       | JM4Web: widgets are not accepted during the Canvas widget drawing - Case ID: 20205599                                      | JM-16923  | Feature |
| JM4Web       | JM4Web: Data Transfer action - Case ID: 202005355  | JM-17080  | Feature |
| JM4Web       | JM4Web: Possibility to choose widget objects from Index Tag parameter in Indexed Tags - Case ID: 202005355                 | JM-17103  | Feature |
| JM4Web       | All Fonts type can be used in JM4Web   | JM-17149  | Feature |
| JM4Web       | JM4Web: Stack widget integration   | JM-17702  | Feature |
| JM4Web       | JM4Web: Tab bar widget integration   | JM-17703  | Feature |
| JM4Web       | JM4Web: Add support to parameters feature into formula conversion - Case ID: 201804660                                     | JM-17942  | Feature |
| JM4Web       | JM4Web: login page restyled  | JM-18221  | Feature |
| JM4Web       | JM4Web: Added loaded progress bar  | JM-18257  | Feature |
| JM4Web       | JM4Web: Optimizations and performance improvements   | JM-18367  | Feature |
| JM4Web       | Option to enable/disable web runtime spinner (loading) on page change  | JM-18383  | Feature |
| JM4Web       | JM4Web: Added "logout" API called from project instance  | JM-18397  | Feature |
| JM4Web       | JM4Web: Add Epoch and ISO8601 standard as available Data Format - Case ID: 202105048                                       | JM-18509  | Feature |
| MQTT         | Added Tag interface to MQTT  | JM-15277  | Feature |
| MQTT         | Improved management of MQTT CA Certificate file - Case ID: 202007693   | JM-17499  | Feature |
| MQTT         | MQTT: Improve the accuracy of currentTimestamp to ms - Case ID: 202103093  | JM-17918  | Feature |



| Category       | Summary  | Ticket ID | Type    |
|----------------|--|-----------|---------|
| Multilanguage  | Possibility to associate a keypad to current language - Case ID: 201304392                       | JM-3232   | Feature |
| Protocols      | Added dictionary file synchronization on tag for most used protocols                             | JM-16240  | Feature |
| Protocols      | [J193] Manage J1939 generic alarms   | JM-17123  | Feature |
| Protocols      | [CDSY] Add IFM model version - Case ID: 202102136  | JM-17742  | Feature |
| Protocols      | [J193] add doCommand to send DM1 alarms from HMI - Case ID: 202101698                            | JM-17743  | Feature |
| Protocols      | [S7OP] Upgrade version of protocol core  | JM-17745  | Feature |
| Protocols      | [CDS3] Remove "full node address" option - Case ID: 202102634                                    | JM-17764  | Feature |
| Protocols      | [BEAD] Add support for ENUM types in importer - Case ID: 202102910                               | JM-17773  | Feature |
| Protocols      | [MIQE][MIQS] Increase Offset range for some CPU model - Case ID: 202103590                       | JM-17869  | Feature |
| Protocols      | [FACO] Add support for baud rate 57600 - Case ID: 202103575                                      | JM-17877  | Feature |
| Protocols      | [S7ET][S7OP] Add support for importer TIA Portal project 17 - Case ID: 202104092                 | JM-17987  | Feature |
| Protocols      | [BEAD] Improving filtering feature for ADS importer - Case ID: 202007149                         | JM-18028  | Feature |
| Protocols      | [BEAD] Support for Tag override via JavaScript - Case ID: 202102740                              | JM-18142  | Feature |
| Protocols      | [MODS] Node disable management for Server protocols - Case ID: 202104274                         | JM-18161  | Feature |
| Protocols      | [MODR] Node Override for Modbus TCP Server with possibility to disable node - Case ID: 202104274 | JM-18166  | Feature |
| Protocols      | [S7DP] Add Node Override feature - Case ID: 202104274  | JM-18167  | Feature |
| Protocols      | [FUJM] Added Fuji MICREX-SX Communication Protocol   | JM-18200  | Feature |
| Protocols      | [J193] extend protocol with UDS diagnostic commands  | JM-18263  | Feature |
| Protocols      | [PROD] Not possible to set NodeOverride tag to 0 - Case ID: 202104274                            | JM-18354  | Feature |
| Protocols      | Download specific protocol files as project resources  | JM-18363  | Feature |
| Protocols      | [CAND] add "sendExFrame" function in DoCommand   | JM-18491  | Feature |
| Protocols      | [MRTU] Add support for array elements direct access in Modbus RTU - Case ID: 202107633           | JM-18624  | Feature |
| Protocols      | [J193] add sending of UDS commands   | JM-18665  | Feature |
| Protocols      | [S7OP] Import array of strings as separated strings - Case ID: 202200428                         | JM-18741  | Feature |
| Protocols      | [MRTU] Reduced protocol communication gap - Case ID: 202200810                                   | JM-18792  | Feature |
| Recipes        | Added warning message when restore recipe fails due to not supported chars - Case ID: 202000636  | JM-16134  | Feature |
| Remote Clients | Reduce the load time in client cache   | JM-16916  | Feature |
| Remote Clients | Client Cache Improvement - Case ID: 202101279  | JM-17511  | Feature |
| Security       | "Exor International S.p.A." certificate to sign projects   | JM-12879  | Feature |
| Security       | Added FTPS secure communication  | JM-16177  | Feature |
| Security       | Enhanced password hashing method in runtime and Studio   | JM-16178  | Feature |
| Security       | TLS support for JM mailing - Case ID: 202001894  | JM-16183  | Feature |
| Security       | Added project signature functionality to allow only certified project to run                     | JM-16187  | Feature |
| Security       | Added HTTPS secure communication   | JM-16367  | Feature |
| Security       | Added timeout after wrong password for user login  | JM-17128  | Feature |
| Security       | Added CSRF (Cross-site request forgery) token as project property for web security               | JM-17234  | Feature |
| Security       | Updated openssl library  | JM-17852  | Feature |
| Security       | Enforced default settings for user management/security   | JM-18676  | Feature |
| Security       | Added project file encryption  | JM-24     | Feature |
| Security       | Context menu set to "on action" by default to increase security                                  | JM-18871  | Feature |
| Simulator      | Added tool in Simulator to watch and simulate project tags                                       | JM-16801  | Feature |
| Simulator      | Added Online Simulator tool  | JM-17591  | Feature |
| SQL            | Added database native connectors   | JM-16746  | Feature |
| SQL            | Added table data source widget for easier connection with database query                         | JM-16761  | Feature |
| SQL            | Added PostgreSQL connector as native DB connector  | JM-16953  | Feature |
| SQL            | Added ODBC connector as native DB connector  | JM-17060  | Feature |
| SQL            | Add Unicode Support for DB Connectors - Case ID: 202100408                                       | JM-17463  | Feature |



| Category       | Summary   | Ticket ID | Type    |
|----------------|---|-----------|---------|
| Tags           | Possibility to display better view for indexed tags sets in case of long name tags - Case ID: 201801538   | JM-13348  | Feature |
| Tags           | Add "replace" button for "Invalid Tag Reference" - Case ID: 201903988   | JM-15353  | Feature |
| Tags           | Import/Export/Copy/Paste for Indexed Tag sets - Case ID: 202005355  | JM-15375  | Feature |
| Tags           | Tag editor improvement, add double click selection for properties - Case ID: 202001063  | JM-16206  | Feature |
| Tags           | Added X5 specific System Variables  | JM-16392  | Feature |
| Tags           | Added Client system variable to support remote variable scenarios   | JM-16412  | Feature |
| Tags           | Enhanced scenarios of synchronization with external Tag symbol files: choose to keep datalinks when Tags is removed externally - Case ID: 202004575 | JM-16796  | Feature |
| Tags           | Possibility to choose widget objects from Index Tag parameter in Indexed Tags - Case ID: 202005355  | JM-17077  | Feature |
| Tags           | Added new PLCM10 system variables (GPS, Wi-Fi, 4G)  | JM-17252  | Feature |
| Tags           | Added vibration System Variables for X5   | JM-17891  | Feature |
| Tags           | X5 - System Variable for temperature sensor - Case ID: 202104104  | JM-17957  | Feature |
| Tags           | Importer default selection should follow also the combo-box selection of protocols - Case ID: 202103073   | JM-17980  | Feature |
| Tags           | Add tag name info in read block and read datagram error in protocol error message   | JM-18025  | Feature |
| Tags           | Manage tag values with offline simulator - Case ID: 201501199   | JM-8760   | Feature |
| Trends         | Added Up and Down button in Trend Data log to reorder Tags to be sampled  | JM-16278  | Feature |
| Trends         | Sampling Time datalink is available only if we have more than one tag to log - Case ID: 202003374   | JM-16584  | Feature |
| Trends         | Add Minimum interval Time to 100 ms in trend sample when it used a Trigger Tag - Case ID: 202005753   | JM-16939  | Feature |
| Trends         | Trend buffer import/export, clone and autofill - Case ID: 202005355   | JM-17078  | Feature |
| Trends         | Add "Attach to" option for FileName properties of DumpTrend - Case ID: 202102621  | JM-17845  | Feature |
| Trends         | Add Epoch and ISO8601 standard as available Data Format - Case ID: 202105048  | JM-18436  | Feature |
| User Interface | Automatic offsets for retentive variables   | JM-12818  | Feature |
| User Interface | Added System Settings button in Manage Target   | JM-17241  | Feature |
| User Interface | Change Project Type option on right click of Device node in project tree  | JM-17373  | Feature |
| User Interface | Added possibility to choose project upload folder and quick click to open an uploaded project   | JM-17839  | Feature |
| User Interface | Added Online help   | JM-18733  | Feature |
| Widgets        | JM4Web: Table widget sorting support  | JM-14786  | Feature |
| Widgets        | New scatter chart widget - Case ID: 202100731   | JM-15414  | Feature |
| Widgets        | Added 2D and 3D style to buttons to choose text behavior when button is pressed   | JM-15496  | Feature |
| Widgets        | Enhanced combo box widget style capabilities  | JM-15840  | Feature |
| Widgets        | Added continuous index option in combo box widget   | JM-16156  | Feature |
| Widgets        | Enhanced Web browser widget capabilities  | JM-16346  | Feature |
| Widgets        | Add MJPEG Camera URL between the basic properties of IP Camera Widget - Case ID: 202004368  | JM-16758  | Feature |
| Widgets        | Added Dashboard pages   | JM-17111  | Feature |
| Widgets        | Added Tag bar widget  | JM-17363  | Feature |
| Widgets        | Added Stack widget to manage layers   | JM-17364  | Feature |
| Widgets        | Added new icons in widget gallery   | JM-17470  | Feature |
| Widgets        | Added QR code widget  | JM-17519  | Feature |
| Widgets        | Web Browser widget: Add save cookie and Accept-Language support   | JM-17734  | Feature |
| Widgets        | Provided way to load legacy widget gallery  | JM-17785  | Feature |
| Widgets        | Common alignments settings for all text/numeric widgets   | JM-18327  | Feature |
| Widgets        | Added historic and real time trend chart widgets  | JM-18356  | Feature |
| Widgets        | Added user gallery configurator for icon, display text and tooltip  | JM-18435  | Feature |
| Widgets        | Optimized layer widget communication management to activate only active layer - Case ID: 202105396  | JM-18531  | Feature |
| Alarms         | Alarm import file filter not effective when studio runs in French language - Case ID: 201807439   | JM-14572  | Bug     |



| Category    | Summary   | Ticket ID | Type |
|-------------|---|-----------|------|
| Alarms      | Live Tag of Multi size array generate an invalid Tag reference - Case ID: 202006811   | JM-17081  | Bug  |
| Alarms      | Corrected behavior of alarms connected to array elements - Case ID: 202105396   | JM-18528  | Bug  |
| Audit Trail | Warning message appears at every Logout after Date&Time change - Case ID: 202101895   | JM-17610  | Bug  |
| Behavior    | Corrected behavior of HMI Client application in boot sequence   | JM-14173  | Bug  |
| Behavior    | Initial change password not working with Client - Case ID: 202004970  | JM-15246  | Bug  |
| Behavior    | Corrected performances issue when loading page with Tables - Case ID: 201907610   | JM-15981  | Bug  |
| Behavior    | Page with dot in them name could not been load - Case ID: 202001421   | JM-16246  | Bug  |
| Behavior    | Corrected behavior of HMI Client on login - Case ID: 202003428  | JM-16614  | Bug  |
| Behavior    | Deleted false error detected by project validator on recipe widget - Case ID: 202002901                                     | JM-16654  | Bug  |
| Behavior    | Error sending email with attachment in specific SMTP server - Case ID: 202006077  | JM-17044  | Bug  |
| Behavior    | Corrected behavior on property pane which closes after specific sequence - Case ID: 202100398                               | JM-17063  | Bug  |
| Behavior    | Wrong page numbering on Studio tabs on specific page sequence creation - Case ID: 202100488                                 | JM-17414  | Bug  |
| Behavior    | Corrected behavior of NFC variables in specific scenario - Case ID: 202100858   | JM-17509  | Bug  |
| Behavior    | Actions defined on hold key pressure are not executed - Case ID: 202101253  | JM-17522  | Bug  |
| Behavior    | Improved tag selection in specific sequence from Tag Editor - Case ID: 202006928  | JM-17523  | Bug  |
| Behavior    | Corrected Runtime behavior when downloading a specific CODESYS V2 project - Case ID: 202101586                              | JM-17565  | Bug  |
| Behavior    | In runtime, all web files are stored in main project folder and not inside web folder - Case ID: 202101922                  | JM-17614  | Bug  |
| Behavior    | BACnet scheduler can't read weekly boolean tag and crash with PLCTrend - Case ID: 202102472                                 | JM-17730  | Bug  |
| Behavior    | Corrected behavior of specific project causing disconnection from HMI client - Case ID: 202102335                           | JM-17761  | Bug  |
| Behavior    | Corrected behavior on specific project tun on Simulator - Case ID: 202102753  | JM-17772  | Bug  |
| Behavior    | Corrected Studio behavior when cutting some tags in tag editor - Case ID: 202103815   | JM-17896  | Bug  |
| Behavior    | Aligned differences in rendering on the HMI device or in the web using a large amount of data                               | JM-17927  | Bug  |
| Behavior    | Corrected Studio behavior in project conversion if project is not saved as but renamed - Case ID: 202104157                 | JM-17976  | Bug  |
| Behavior    | Corrected data entry behavior on scaled numeric field linked to recipe selected set - Case ID 202103568                     | JM-18042  | Bug  |
| Behavior    | Corrected Demo License internal PLC behavior - Case ID: 202104773   | JM-18121  | Bug  |
| Behavior    | Opening an external application while holding button causes button to remain pressed - Case ID: 202104885                   | JM-18139  | Bug  |
| Behavior    | CODESYS does not recognize project inside panel with additional module - Case ID: 202104974                                 | JM-18159  | Bug  |
| Behavior    | Corrected false positive error on loading images at project opening - Case ID: 202105280                                    | JM-18204  | Bug  |
| Behavior    | Corrected unexpected behavior of runtime using specific project - Case ID: 202107363  | JM-18214  | Bug  |
| Behavior    | JavaScript Editor increases the distance between two consecutive rows of code under specific scenarios - Case ID: 202105480 | JM-18280  | Bug  |
| Behavior    | Corrected hierarchical importers behavior - Case ID: 202106479  | JM-18416  | Bug  |
| Behavior    | Corrected USB update behavior in specific conditions - Case ID: 202007860   | JM-18545  | Bug  |
| Behavior    | Corrected behavior when DBWrite Action are executed and Fast Boot is enabled - Case ID: 202107098                           | JM-18574  | Bug  |
| Behavior    | Corrected runtime behavior on print action with specific project - Case ID: 202106932                                       | JM-18584  | Bug  |



| Category     | Summary   | Ticket ID | Type |
|--------------|---|-----------|------|
| Behavior     | Fixed behavior while setting protocols with plc network and specific steps - Case ID: 202107151           | JM-18605  | Bug  |
| Behavior     | CODESYS 3.5 SP14 runtime not communicating with protocol on WCE - Case ID: 202200129 - Case ID: 202200213 | JM-18687  | Bug  |
| Behavior     | Corrected behavior on second project download for specific hardware - Case ID: 202200153                  | JM-18697  | Bug  |
| Behavior     | Fixed runtime behavior on loading a specific project - Case ID: 202106932                                 | JM-18711  | Bug  |
| Behavior     | Corrected behavior when executing Print Graphic Report action - Case ID: 202106932                        | JM-18744  | Bug  |
| Behavior     | Action "File > Save Project As" doesn't show the path of the current opened project - Case ID: 201402032  | JM-7788   | Bug  |
| Behavior     | Corrected behavior when User Gallery folder is changed - Case ID: 202200921                               | JM-18810  | Bug  |
| Behavior     | Corrected behavior when multiple page change is performed in a specific condition – Case ID: 202201733    | JM-18928  | Bug  |
| Behavior     | Corrected sporadic behavior when downloading project  | JM-18931  | Bug  |
| CODESYS v3.0 | Corrected CODESYS license activation behavior   | JM-18967  | Bug  |
| Corvina      | Corrected Corvina Interface connection from Win32 HMI Runtime - Case ID: 202106556                        | JM-18513  | Bug  |
| Generic      | Corrected disk size value displayed in project wizard for some models - Case ID: 202102691                | JM-17738  | Bug  |
| Javascript   | Corrected action execution on JavascriptFuncBlock on project level - Case ID: 202106484                   | JM-18420  | Bug  |
| JM4Web       | JM4Web: Improve error message in case of incorrect web agent - Case ID: 202002583                         | JM-16432  | Bug  |
| JM4Web       | JM4Web: GridLayout on web page generates an error - Case ID: 202003905                                    | JM-16683  | Bug  |
| JM4Web       | JM4Web: Indexed alias not working when in case array tag is attached using index tag - Case ID: 202104890 | JM-16749  | Bug  |
| JM4Web       | JM4Web: Scheduler action ShowDialog is not executed - Case ID: 202004993                                  | JM-16841  | Bug  |
| JM4Web       | JM4Web: Improved view on Multistate frames - Case ID: 202005205   | JM-16867  | Bug  |
| JM4Web       | JM4Web: SetTimeout action is not executed in template - Case ID: 202005488                                | JM-16915  | Bug  |
| JM4Web       | JM4Web: Shape with reduced opacity (0.7) generates a shadow on the label above - Case ID: 202005396       | JM-16917  | Bug  |
| JM4Web       | JM4Web: Scheduler that executes a JS action is not performed on web project - Case ID: 202007953          | JM-17277  | Bug  |
| JM4Web       | JM4Web: Table widget Filter does not work with Columns that support Multilanguage - Case ID: 202100112    | JM-17567  | Bug  |
| JM4Web       | JM4Web: DataTransfer not working between client variables and Tag - Case ID: 202005355                    | JM-17609  | Bug  |
| JM4Web       | JM4Web: Indexed tags in a dialog stop to work if we open a second dialog - Case ID: 202102315             | JM-17679  | Bug  |
| JM4Web       | JM4Web: Mozilla Firefox cannot operate with touch - Case ID: 202100858                                    | JM-17740  | Bug  |
| JM4Web       | JM4Web: corrected performances issues on access to Filter Table widget - Case ID: 202102315               | JM-17803  | Bug  |
| JM4Web       | JM4Web: Toggle action on widget property does not work correctly - Case ID: 202103400                     | JM-17833  | Bug  |
| JM4Web       | JM4Web: SetTrendView does not work if Max/Min are set to 0 - Case ID: 202103363                           | JM-17842  | Bug  |
| JM4Web       | JM4Wweb: corrected behavior on project.getGroup() action - Case ID: 202103676                             | JM-17879  | Bug  |
| JM4Web       | JM4Web: Error message appears when TableWgt page is loaded - Case ID: 202102298                           | JM-17895  | Bug  |
| JM4Web       | Runtime positioning on web dialog does not work properly - Case ID: 202103699                             | JM-17897  | Bug  |
| JM4Web       | JM4Web: Corrected group visibility behavior - Case ID: 202103699  | JM-17901  | Bug  |
| JM4Web       | JM4Web: Actions not executed in dialog pages - Case ID: 202103699   | JM-17904  | Bug  |



| Category | Summary   | Ticket ID | Type |
|----------|---|-----------|------|
| JM4Web   | JM4Web: Non-modal dialog on web pages behave as modal but is not noted on validator - Case ID: 202103699          | JM-17909  | Bug  |
| JM4Web   | JM4Web: Error Message when load the Home Page after first time - Case ID: 202102315                               | JM-17910  | Bug  |
| JM4Web   | JM4Web: Table's Rows disappear when filter is complex - Case ID: 202102315  | JM-17912  | Bug  |
| JM4Web   | JM4Web: Indexed tags are not initialized at the first opening of dialog - Case ID: 202102315                      | JM-17993  | Bug  |
| JM4Web   | JM4Web: Corrected error after dbQuery - Case ID: 202100858  | JM-17994  | Bug  |
| JM4Web   | JM4Web: adjusted visualization of specific widgets - Case ID: 202103843   | JM-17999  | Bug  |
| JM4Web   | JM4Web: Non-Modal dialog not working on web pages - Case ID: 202103699  | JM-18005  | Bug  |
| JM4Web   | JM4Web: Embeddable Font is not exported in web client - Case ID: 202104507  | JM-18073  | Bug  |
| JM4Web   | JM4Web: Audit View returns warning if Page Duration is set to All - Case ID: 202105048                            | JM-18163  | Bug  |
| JM4Web   | JM4Web: Corrected behavior of Show/Hide with Rows filter in table widget - Case ID: 202105048                     | JM-18173  | Bug  |
| JM4Web   | JM4Web: Table's filter is not applied when the number of rows is higher than 500 - Case ID: 202105048             | JM-18275  | Bug  |
| JM4Web   | JM4Web: Error when we load Home Page after a setLanguage action - Case ID: 202105048                              | JM-18319  | Bug  |
| JM4Web   | Aligned DbResponse behavior from web and native - Case ID: 202105396  | JM-18336  | Bug  |
| JM4Web   | JMWeb: specific project remains on loading and shows an error - Case ID: 202106010                                | JM-18348  | Bug  |
| JM4Web   | JM4Web: Indexed tags not working when used from dialog pages - CaseID: 202106141                                  | JM-18370  | Bug  |
| JM4Web   | JM4Web: Web pages not loading on a specific project - Case ID: 202106393  | JM-18415  | Bug  |
| JM4Web   | JM4Web: Load page is not executed when a non-modal Dialog is opened - Case ID: 202106393                          | JM-18417  | Bug  |
| JM4Web   | JM4Web: at first loading of Pages and Dialogs, they will refresh twice - Case ID: 202105048                       | JM-18464  | Bug  |
| JM4Web   | JM4Web: Delay of loading data on Table Page - Case ID: 202105048  | JM-18544  | Bug  |
| JM4Web   | JM4Web: Javascript query separator cannot be distinguished from same char inside results - Case ID: 202105396     | JM-18620  | Bug  |
| JM4Web   | JM4Web: Corrected Table Filter behavior with specific field value - Case ID: 202105048                            | JM-18693  | Bug  |
| JM4Web   | JM4Web: Color palette doesn't work on the property background of web pages - Case ID: 202201202                   | JM-18845  | Bug  |
| MQTT     | MQTT timestamp is published differently for Will/Birth message and for Data Pub message - Case ID: 202002839      | JM-16478  | Bug  |
| MQTT     | MQTT Interface when we open the Manage push policies, the default policy changes to OnChange - Case ID: 202002926 | JM-16496  | Bug  |
| MQTT     | MQTT AlarmGroup keyword is always the same at runtime - Case ID: 202100779  | JM-17506  | Bug  |
| MQTT     | MQTT TLS version is inherited from Generic Broker configuration - Case ID: 202101584                              | JM-17558  | Bug  |
| MQTT     | Connection to Amazon AWS not working, bad character in if_mqtt.xml file - Case ID: 202102144                      | JM-17660  | Bug  |
| MQTT     | MQTT: Value received does not update the tag if tagName keyword is not present in topic - Case ID: 202101946      | JM-17671  | Bug  |
| MQTT     | MQTT with multiple tags in payload published wrongly when on timer is Used - Case ID: 202103052                   | JM-17783  | Bug  |
| MQTT     | Corrected MQTT connection behavior with Google IoT Core broker - Case ID: 202104914                               | JM-18209  | Bug  |
| MQTT     | Corrected MQTT behavior when using TLS without certificates - Case ID: 202106022                                  | JM-18351  | Bug  |
| MQTT     | MQTT: Runtime HMI cannot publish to Amazon AWS Broker due to plugin missing - Case ID: 202106417                  | JM-18418  | Bug  |



| Category  | Summary   | Ticket ID | Type |
|-----------|---|-----------|------|
| Protocols | [GEE2] Error writing String data - Case ID: 202007301   | JM-17187  | Bug  |
| Protocols | [MODS] Corrected serial data exchange in WCE targets - Case ID: 202101728                                       | JM-17621  | Bug  |
| Protocols | [MODR] Adjusted behavior on node 0 inserting, to be applied only for UDP connections - Case ID: 202102580       | JM-17746  | Bug  |
| Protocols | [BACN] max segments accepted error if device doesn't handle segments - Case ID: 202102472                       | JM-17884  | Bug  |
| Protocols | [OPCU] Error while importing from Wago PFC200 (message in the header too large) - Case ID: 202103136            | JM-17894  | Bug  |
| Protocols | [NM20] Protocol not starting in case of WCE devices - Case ID: 202103793  | JM-17898  | Bug  |
| Protocols | [DELT] Counters 32 bit offset not align with Delta PLC (Modbus RTU Protocol) - Case ID: 202104490               | JM-18050  | Bug  |
| Protocols | [ETIP] Write string data from recipe does not write String LEN value - Case ID: 202104494                       | JM-18054  | Bug  |
| Protocols | [OPCU] Data type imported as null - Case ID: 202102541  | JM-18057  | Bug  |
| Protocols | [CDS3] Device loses connection with CODESYS Workbench under certain conditions - Case ID: 202104773             | JM-18112  | Bug  |
| Protocols | [CAND] Import of DBC file does not take care of Mux info start in frame - Case ID: 202105050                    | JM-18168  | Bug  |
| Protocols | [S7ET] Communication failed with CP1542SP Slot 2 - Case ID: 202105300   | JM-18226  | Bug  |
| Protocols | [J193] Announcement message does not respect 50ms timing interval on DM1 multipacket - Case ID: 202105586       | JM-18258  | Bug  |
| Protocols | [BEAD] eNUM is not imported - Case ID: 202105630  | JM-18277  | Bug  |
| Protocols | [KEKV] Keyence KV - Wrong max limit range for PLC KV8000 type - Case ID: 202105789                              | JM-18301  | Bug  |
| Protocols | [BEAD] Enhanced Studio behavior when importing dictionary using Filter "HMI" - Case ID: 202106125               | JM-18372  | Bug  |
| Protocols | JM4Web: corrected behavior when closing dialog causing screen freeze - Case ID: 202105048                       | JM-18374  | Bug  |
| Protocols | [BEAD] variable WSTRING are imported as STRING Tag with "UTF-8" encoding instead "UTF-16LE - Case ID: 202106758 | JM-18488  | Bug  |
| Protocols | [ABBE] Tag Import erroneously from PLC file with tab/space character in the Tag Name - Case ID: 202106892       | JM-18535  | Bug  |
| Protocols | [KNX] Fixed reading U3 type tags - Case ID: 202106644   | JM-18550  | Bug  |
| Protocols | [BEAD] wrong write array position on array tag defined to start from index 1 instead 0 - Case ID: 202107114     | JM-18566  | Bug  |
| Protocols | [BACN] Communication error with specific BACnet device - Case ID: 202106574                                     | JM-18592  | Bug  |
| Protocols | [ABDF] Wrong data read of PRE and ACC of Timers and Counters - Case ID: 202200153                               | JM-18695  | Bug  |
| Protocols | [MODR] Tags defined in Modbus TCP Server has inappropriate ID in Tag URL - Case ID: 202200649                   | JM-18775  | Bug  |
| Protocols | [CAND] Corrected behavior with more tag "TX Period" defined in the project at power-up - Case ID: 202201249     | JM-18864  | Bug  |
| Protocols | [J193] Corrected behavior while sending frames using DoCommand - Case ID: 202201249                             | JM-18879  | Bug  |
| Protocols | [ETIP] Communication error when reading multidimensional arrays of structures - Case ID: 202201503              | JM-18899  | Bug  |
| Protocols | [J193] Corrected with fastboot enabled and DM1 message present on bus - Case ID: 202201675d                     | JM-18918  | Bug  |
| Protocols | [BEAD] Corrected read from a function block which contains only strings - Case ID: 202105396                    | JM-18919  | Bug  |
| Protocols | [PROD] Communication is not established after a cable disconnection - Case ID: 202201836                        | JM-18980  | Bug  |
| Protocols | [MODR] Server does not answer in TCP mode with Node ID 0 - Case ID: 202202058                                   | JM-18967  | Bug  |
| Recipes   | Corrected behavior when recipe download is executed on string tags - Case ID: 202000612                         | JM-16124  | Bug  |
| Recipes   | Corrected behavior when recipe download is executed on string with special chars - Case ID: 202000612           | JM-16125  | Bug  |





| Category  | Summary   | Ticket ID | Type |
|-----------|---|-----------|------|
| Recipes   | Recipe Field displays wrong data on screen - Case ID: 202102392   | JM-17718  | Bug  |
| Recipes   | Writing more char in string recipe elements following elements is overwritten - Case ID: 202104084                | JM-17955  | Bug  |
| Recipes   | Runtime executes more and redundant writes when a Tag array is used in Recipe - Case ID: 202200668                | JM-18786  | Bug  |
| Scheduler | Sunrise and Sunset wrong hour during summer time - Case ID: 202105017   | JM-18178  | Bug  |
| Security  | Login after Change Password in Login Page does keep the Permission of the User Logged before - Case ID: 202006141 | JM-16989  | Bug  |
| Security  | User forced to change initial password after editing another user credentials - Case ID: 202006103                | JM-17011  | Bug  |
| Security  | Group home page changed when changing FTP/HTTP settings - Case ID: 202101644                                      | JM-17559  | Bug  |
| Security  | Corrected behavior when accessing to USB and SD via FTP on specific hardware - Case ID: 202105891                 | JM-18314  | Bug  |
| SQL       | dbReadRecipes action returns Element not found on high size recipes - Case ID: 202104237                          | JM-17996  | Bug  |
| SQL       | Database query with Nchar and Nvarchar will not be returned properly - Case ID: 202104877                         | JM-18150  | Bug  |
| SQL       | Aligned DbResponse behavior from web and native - Case ID: 202105396  | JM-18338  | Bug  |
| Tags      | Tag editor Scaling problems when entering scaling factors with decimal point - Case ID: 202006810                 | JM-17085  | Bug  |
| Tags      | System Variables "WiFi_Signal" on X5-Base and "Battery" on X5 Handheld display wrong value - Case ID: 202101366   | JM-17526  | Bug  |
| Tags      | Scaled array with fixed point does not write value properly - Case ID: 202102391                                  | JM-17713  | Bug  |
| Tags      | Studio does not save Interfaces tag group selection - Case ID: 202103206  | JM-17808  | Bug  |
| Tags      | PLCM09 Mobile network goes in error after restart - Case ID: 202101950  | JM-18297  | Bug  |
| Tags      | Sytem Variable "WiFi Error" reports error code "-1" when WiFi interface is not ready to use - Case ID: 202200358  | JM-18813  | Bug  |
| Tags      | Indexed tags fields are not updated and shows question marks - Case ID: 202201386                                 | JM-18920  | Bug  |
| Trends    | [BACN] Corrected Simulator behavior using BACNetTrends - Case ID: 202105861                                       | JM-18312  | Bug  |
| Trends    | Corrected PLC Trend behavior in showing curves - Case ID: 202106514   | JM-18429  | Bug  |
| Widgets   | JM4Web: property Sorting for Alarm History Table does not work - Case ID: 202002381                               | JM-16395  | Bug  |
| Widgets   | JM4Web: Group column in Alarm History widget is not shown - Case ID: 202002381                                    | JM-16397  | Bug  |
| Widgets   | Reviewed not working RSS feeds widgets: Case ID: 202102947  | JM-17775  | Bug  |
| Widgets   | TextTableFilter widget apply filter "0" when field is empty - Case ID: 202104571                                  | JM-18069  | Bug  |
| Widgets   | Trend table duration not working properly when we set 4 weeks / ALL - Case ID: 202104317                          | JM-18148  | Bug  |
| Widgets   | Network configuration is not applied when the interface is with an AutoIP - Case ID: 202105106                    | JM-18175  | Bug  |
| Widgets   | Improved Pinch event management on Scatter Chart widget - Case ID: 202105480                                      | JM-18239  | Bug  |
| Widgets   | Browser widget scrollbars does not work - Case ID: 202105668  | JM-18281  | Bug  |
| Widgets   | Corrected behavior when scrolling GridLayout causing performances issues - Case ID: 202106024                     | JM-18408  | Bug  |
| Widgets   | Corrected Studio behavior on continuous index flag of combobox widget - Case ID: 202105396                        | JM-18559  | Bug  |
| Widgets   | ComboBox doesn't show communication error icon and show wrong element with index data - Case ID: 202105396        | JM-18617  | Bug  |
| Widgets   | Fixed behavior of IC Camera widget image polling - Case ID: 202200228   | JM-18639  | Bug  |
| Widgets   | Reviewed minor icon graphic in new widget gallery - Case ID: 202200428  | JM-18726  | Bug  |
| Widgets   | Text Editor widget save file without extension and does not recognize them in browse - Case ID: 202200225         | JM-18752  | Bug  |



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|------------------|--|-----------|------|
| Widgets          | System keypad not opening during save procedure with text editor - Case ID: 202200225                                | JM-18842  | Bug  |
| Widgets          | Table Data Source requires tag of the model even when the page is changed (or dialog is closed) - Case ID: 202200434 | JM-18868  | Bug  |
| Widgets (Custom) | Corrected visualization issues on a custom alarm table - Case ID: 202102452  | JM-18015  | Bug  |
| Widgets (Custom) | Boolean BACnet scheduler does not work properly - Case ID: 202102472   | JM-18037  | Bug  |