WISE-523x Release Note

This document provides a historical reference to firmware version number, release date and changelog. Select the version number from the list below to see the release notes.

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Version number	v1.6.4	**Release date**	2023-10-13
Changelog			

Added
- Add the support of new I/O module: DLW-1023, DLW-1100, DLW-1120, DLW-1200, DLW-1243.
- Add the function to use JSON parameters of MQTT Subscribe Topics.

Fixed
- Fixed the problem that the Retain value of Internal Register would be reset to zero after settting download.

Version number	v1.6.3	**Release date**	2023-04-17
Changelog			

Added
- Add the support of new I/O module: tM-AD2, iSN-104, (P)ET-7217-A5.
- Add the display of OS version number on the webpage.

Fixed
- Fixed the problem that WISE failed to add LINE Notify Chat Room.

Changed
- Imporve the procedure of initial value reading of remote I/O modules.
- Improve the procedure of firmware update.

Version number	v1.6.2	**Release date**	2022-08-05
Changelog			

Fixed
- Fix the LINE Notify message sending failed issue.

Version number	v1.6.1	**Release date**	2022-06-16
Changelog			

Added

- Add the support of new I/O module: (P)ET-7245.

Changed

- Improve the initialization mechanism to connect to IoTstar.
- Improve the report mechanism to IoTstar when the timezone setting is changed on WISE.
- Improve the watchdog mechanism.

Version number	v1.6.0	Release date	2022-02-08
Changelog			

Added

- Add the support of ICP DAS IoTstar Trial service.

Changed

- Improve the accuracy of data logger timing.
- Improve the rule import mechanism between different WISE modules.

Fixed

- Fix the format error of WISE-71xx series module's AI data.

Version number	v1.5.5	Release date	2021-09-28
Changelog			

Fixed

- Fix the error of unable to change network settings on version 1.5.4.
- Fix the error of Ping function.

Version number	v1.5.4	Release date	2021-09-09
Changelog			

Added

- Add the build-in support of modules: DL-110-E、DL-120-E、XV119、iSN-101.
- Add the complete Email sending test function.
- Add the SMS message sending test function.
- Add the Phone Number Group function.

Changed

- Improve the error checking mechanism of 4G dialling.

Fixed

- Fix the format error of Event log.

Version number	v1.5.3	Release date	2021-03-24
Changelog			

Added

- Add the build-in support of Modbus RTU/TCP modules: DL-1020, DL-1021, DL-1022, DL-1023, DL-1038 and DL-1050.
- Add the IoTstar Video Data Sending function.

Fixed

- Fix the bug of modem re-detection mechanism.

- Fix the bug that fail to open WISE webpage when using the special character in the nickname setting of the controller.
- Fix the bug that fail to parse rules when only setting the unit of modbus data but without the nickname.

Version number	v1.5.2	**Release date**	2020-09-16
Changelog			

Changed
- Optimize the firmware update procedure to prevent html files locked by the web server.
- Optimize the procedure of M-7000 I/O module connection to prevent data parsing error.

Fixed
- Fix the abnormal setting problem of SNMP Trap, Azure, and Bluemix rule webpages.

Version number	v1.5.1	**Release date**	2020-03-18
Changelog			

Added
- Provide the timezone information of the WISE controller to IoTstar.
- Add a switch of SNMP server.

Changed
- Optimize the mechanism of instant message sending to prevent collisions when lots of messages are sent together.
- Remove Facebook Messenger message sending function.

Fixed
- Fix the abnormal trigger of Active I/O data sending function.

Version number	v1.5.0	**Release date**	2020-02-05
Changelog			

Added
- Update OpenSSL lib to make Email and MQTT functions support TLS 1.2 encryption.
- Add Forward function of Sendbox and CGI Server. WISE supports to forward image/video files which are uploaded to Sendbox or captured by CGI command to LINE / WeChat / Messenger apps.
- Add new IF conditions of Discrete Input and Coil Output: ON to OFF, OFF to ON, and Changed.

Fixed
- Fix the bug when updating the access token of WeChat.

Version number	v1.4.2	**Release date**	2019-10-08
Changelog			

Added
- Add Delay function.
- Add SIM card detection function.
- Add the checking mechanism of HTTP root path.

- Add the record items and descriptions of Event log.
- Add the support of IP Camera: iCAM-ZMR8422X.

Changed

- Change ICP DAS logo on the webpage.

Version number	v1.4.1	**Release date**	2019-06-24
Changelog			

Added

- Add Ping function.
- Add Reset modem action.
- Add the upload information of mobile signal strength and I/O module connection status to IoTstar.

Fixed

- Bug: The AO channel output error of M-7026.
- Bug: WISE may stop to upload event log files when the upload frequency was set as "Once an hour".

Version number	v1.4.0	**Release date**	2019-04-25
Changelog			

Added

- Support new connection mechanism of IoTstar v1.2.0.
- Add the support of IoTstar Bot Service.
- Add the function of receiving SMS commands without setting the whitelist.
- Add the support of IP Cameras: iCAM-MR8422X, iCAM-MR6422X and iCAM-MR6322.
- Add the function to import/export the rule file via the web interface.
- Add the timeout mechanism of FTP connection to prevent the blocking situation.
- Add the mechanism to access the debug folder via the webpage for troubleshooting.
- Add the function to upload the event log once an hour.

Fixed

- Bug: The time synchronization error when the battery runs out.

Version number	v1.3.2	**Release date**	2019-01-31
Changelog			

Added

- Add the path test mechanism in the connection testing of FTP servers.

Changed

- Improve the re-connection mechanism of the mobile network.
- Improve the detection mechanism of IoTstar connection status.
- Improve the mechanism to free up the MicorSD card.

Fixed

- Bug: The setting of WISE FTP server's password would become "undefined".
- Bug: MQTT Log function could not log the message with one-layer topic.

• Bug: The display error of LC-103's DO channel number.

Version number	v1.3.1	**Release date**	2018-11-13
Changelog			

Added

- Support the I/O module M-7017RMS.
- Add the selection "5 seconds" in the Log Interval field of the Data Logger function.
- The value of DI channel counter, MQTT subscribe Topics, Azure received variables and Bluemix received variables could be saved into Internal Registers.
- Add the math formula setting function in Internal Register.
- Add the Real-time I/O data upload function and the corresponding setting interface of IoTstar.
- Add the message sending function and the corresponding setting interface of IoTstar Bot Service.
- Clear mobile network setting when WISE is set to factory default with the rotary switch.

Fixed

- Bug: The connection error of M-7017R-A5.
- Bug: The sending error of the Facebook Messenger message which content is more than one line.
- Bug: The download rule action would cause reboot when WISE connects with iCAM cameras.
- Bug: The error to connect with WISE-71xx modules.

Security

- Improve the error handling mechanism of the CGI command function.
- Add the prohibition mechanism of Azure/Bluemix setting pages.

Version number	v1.2.5	**Release date**	2018-08-16
Changelog			

Added

- Add Facebook Messenger message sending function.
- Add the reset actions of the CGI received content and the MQTT subscribe topic.
- Add the Modbus Table Address display page on the web interface.
- Support the I/O modules: M-7003, M-7024L, M-7028, M-7046, M-7064, DL-301, DL-303, tM-AD2
- Add the battery status checking mechanism.
- Display the battery status on the web interface.

Fixed

- Bug: The mobile network setting interface may not exist because the modem is not detected.

Version number	v1.2.4	**Release date**	2018-05-14
Changelog			

Added

- WISE-5236 and WISE-5236M-4GC are launched.

Changed

- Change the default password of the FTP server.
- Close the telnet interface.
- Remove the CD from the product package.

Version number	v1.2.3	Release date	2018-03-16
Changelog			

Added
- Support I/O module: DL-10.

Changed
- The connection mechanism of IoTstar is changed from random port to fixed port.
- Improve the re-connection mechanism of the mobile network.

Version number	v1.2.2	Release date	2018-02-12
Changelog			

Changed
- Improve the reading mechanism of real-time data.

Fixed
- Bug: MQTT connection is abnormal.

Version number	v1.2.1	Release date	2017-12-20
Changelog			

Added
- Add LINE Notify message sending function.

Fixed
- Bug: CGI command receive function is not working.
- Bug: The channel's value display error of M-7068 and M-7069.

Version number	v1.2.0	Release date	2017-11-10
Changelog			

Added
- WISE-5231M-4GE and WISE-5231M-4GC are launched.
- Support to connect with Microsoft Azure CDS platform.
- Support to connect with iCAM series IP cameras.
- The independent readable / writable settings of Coil Output and Holding Register data.

Fixed
- Bug: The data reading error of the I/O module tM-DA1P1R1.

Version number	v1.1.4	Release date	2017-08-31
Changelog			

Added
- Encrypt the communication package with IoTstar.

Changed

- Change the rule checking behavior of disconnected modules. The engine would not ignore the IF condition of the channels of disconnected modules.
- Change the rule checking behavior of MQTT subscribe topic. The engine would keep the topic content after rule checking.

Fixed

- Bug: The copied I/O module would have the same ID.
- Bug: The data access problem of ET-7000 series modules.

Version number	v1.1.3	Release date	2017-06-09
Changelog			

Added

- The connection function between WISE and IoTstar.

Changed

- Improve the connection mechanism between WISE-5231 and I-7000 modules.

Fixed

- The re-connection mechanism between WISE-5231 and MQTT brokers.

Version number	v1.1.2	Release date	2017-04-11
Changelog			

Added

- Display the mobile signal strength and use it to be an IF condition.
- The Internal Registers of No.81 to No.100 provide the "Retain Variable" mechanism.
- The function to send CGI received files to a remote FTP server automatically.

Changed

- Add the caused reason of the Event log.

Fixed

- Bug: The setting of MQTT Subscribe Topics is not effective.

Version number	v1.1.0	Release date	2016-12-05
Changelog			

Added

- The function to connect with Microsoft Azure and IBM Bluemix IoT platforms.

Version number	v1.0.7	Release date	2016-10-19
Changelog			

Added

- WISE-5231M-3GWA is launched.

Version number	v1.0.6	Release date	2016-08-19
Changelog			

Added

- The hint to remind users to download settings after they changed it.

Changed			
• Synchronize the Time Zone settings with OS.			
Fixed			
• Bug: Timer inaccurate error and the data logger issue caused by it.			

Version number	v1.0.5	**Release date**	2016-06-22
Changelog			
Added			
• Timer's new functions: Pause and Resume actions.			
Changed			
• Improve the re-connection mechanism between WISE-5231 and MQTT brokers.			
Fixed			
• Bug: Using the math operation in THEN/ELSE actions.			

Version number	v1.0.3	**Release date**	2016-05-06
Changelog			
Fixed			
• Bug: Read / write Holding Register data in inverse format.			

Version number	v1.0.2	**Release date**	2016-02-25
Changelog			
Added			
• The system log clean function.			
• To Send the log files with Email attachment.			
Changed			
• Improve the sending speed of the CGI command.			
Fixed			
• Bug: The estimate of the remaining days to log with this microSD.			

Version number	v1.0.0	**Release date**	2016-01-05
Changelog			
Added			
• WISE-5231 is launched.			