



Making Data Acquisition Easy

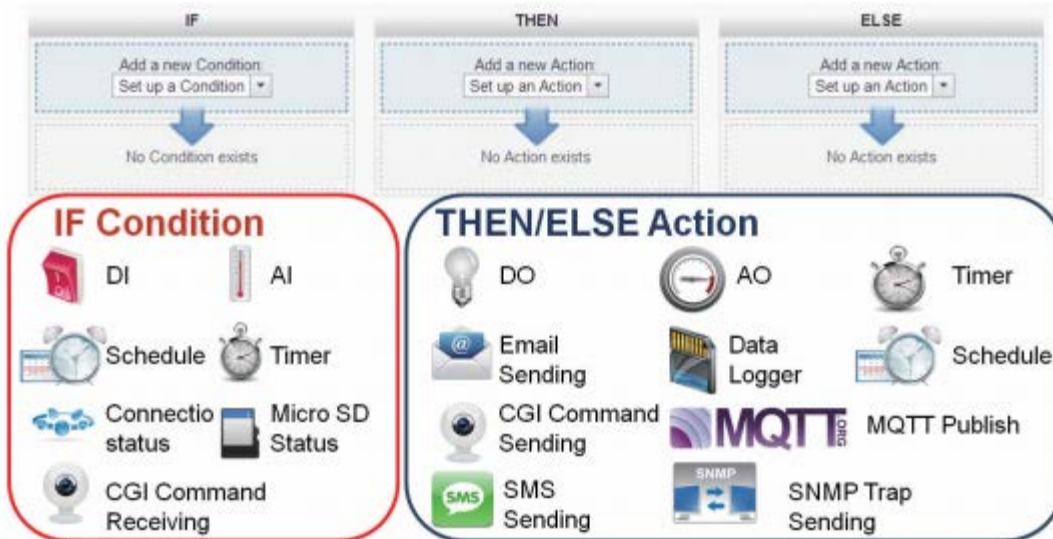
CAGE/NCAGE Code: 3FNFO

## Intelligent IIoT Concentrator

Industry 4.0 is based on Internet of Things (IoT) that incorporates the technological concept of communicating and exchanging information between all facilities which brought manufacturing industry to a new era. The WISE-5231 Intelligent IoT Controller developed by ICP DAS is a perfect start point to facilitate the vision of the Smart Factory.

WISE-5231 provides powerful and flexible integration with the I/O modules and sensors at the field side, and also supports various IoT protocols for seamless integration with the SCADA/MIS/MES/IT/Network Management systems to transfer the real-time I/O information from the front-end modules (or sensors) to the back-end management systems. It also features reliable real-time I/O logic control and data logger functions. All of these features make WISE-5231 a perfect concentrator of sensor and I/O modules in the IoT age.

WISE provides user-friendly Web UI pages for editing control logic on the controllers. To edit control logic, it only requires a browser to connect to the Web server on WISE. No extra software tool installation is needed. WISE enables implementation of logic edition by a few clicks on the mouse to set up and deploy logic rules without writing a single line of code. WISE controller features an IF-THEN-ELSE logic rule engine; it offers IF-THEN-ELSE rules for users to set up the logic content. After completing rule edition and downloading rules to the WISE, the rule engine will loop execute the rules in accordance with the execution order under specific conditions.



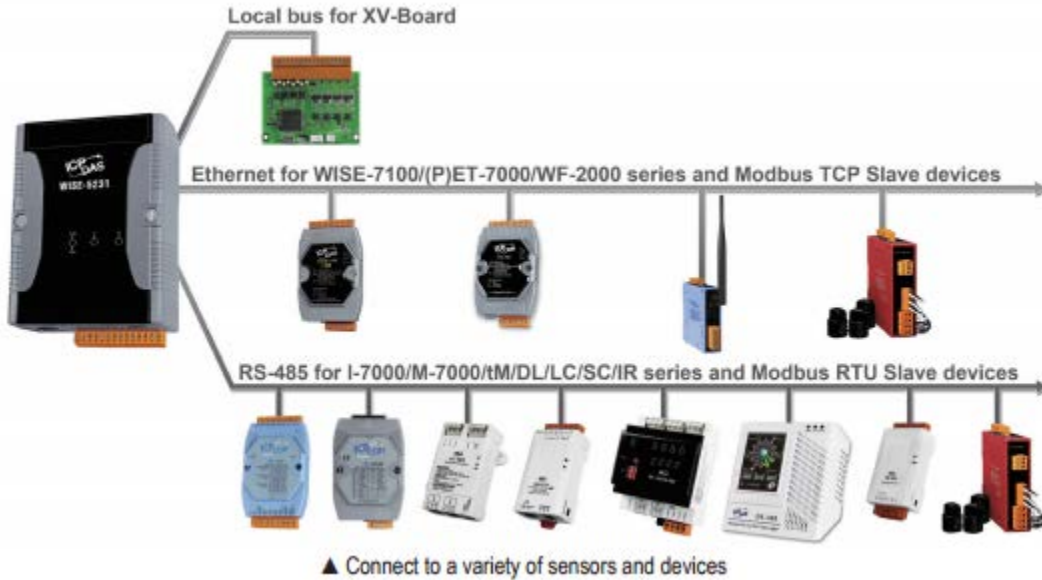
▲ The function overview of IF-THEN-ELSE rule engine



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It allows connecting with sensors and devices that support Modbus TCP/RTU protocol for I/O monitoring. The ability to connect with Modbus TCP/RTU slave devices enables the flexibility and scalability for system implementation and allows meeting various requirements of the applications from the clients.



In addition to Ethernet interface, WISE-5231-3GWA provides 3G Wireless communication interface. It can send the real-time data of sensors and I/O modules, data logger files and Email alarm message back to the control center by 3G Wireless Network. WISE also supports SMS message sending function for real-time message notification. The message sending action can be added to the logic edition as part of logic control to provide real-time message notification to the related personnel when an event occurs. WISE also is equipped with SMS command receiving function. It allows receiving the SMS commands sent by specific phone numbers to perform tasks such as real-time I/O channel value monitoring, I/O channel value modification and logic rules execution (triggered by SMS), etc.

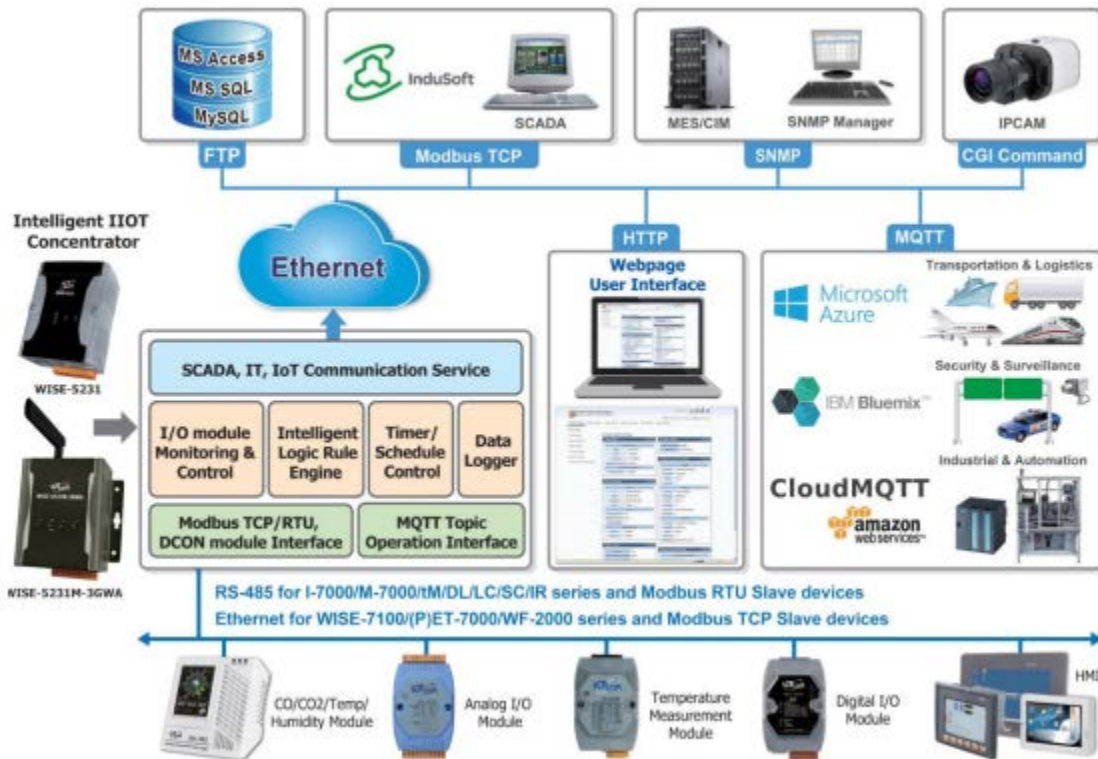


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WISE-5231- Web-based Intelligent Multifunction IoT Controller





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If you have another Internet of thing requirements or have some questions, we can certainly help you to choose the best solution. Please call our technical support team at (310) 517-9888 X102