



Making Data Acquisition Easy

CAGE/NCAGE Code: 3FNFO

Internet of Things Edge Controller

The Internet of Things (IoT) describes how electronic devices, sensor, software and human interface connect to internet network that able to collect and exchange data. ICP DAS USA offers Internet of Things (IoT) devices for easy connection and interaction. The industrial IoT controllers can help improve operational efficiency by decreasing downtime, enabling more connectivity, and engaging more human-machine collaboration. The ICP DAS IoT controllers support Modbus RTU, Modbus TCP, SNMP, MQTT, FTP, SSL/TLS, CGI and DDNS protocols and various communication interface such as RS-485, RS-232, Ethernet, USB, etc.

ICP DAS USA is one of the first manufacturers to develop IoT industrial automation, IoT control hardware and software. ICP DAS USA offers modules that are simple in order to make data acquisition easy. According to the reviews of customers, they usually combine data acquisition module, touch screen, programmable automation controller, and wireless communication product in order to complete their systems.

WISE-5231 is Web-based Intelligent Multifunction IoT Controller provides more supports in I/O module connection, I/O data logging and IoT platform integration compare with WISE series controllers. It allows connection to XV-board, DCON I/O modules, and Modbus TCP/RTU Slave modules all together. The wide range of selection options enables flexibility in I/O module integration to meet the requirements from various applications. WISE-5231 provides Data Logger function to record the I/O channel data by periodic cycle or event trigger. It also allows sending the data files by FTP or Email to the control center. In addition to the CGI command sending function, WISE-5231 now supports the CGI command receiving function that allows the network devices to trigger the operation of IF-THEN-ELSE logic rule of WISE-5231 by Ethernet. WISE-5231 supports SNMP V2c protocol and the SNMP Trap operation to work with the SNMP Network Management software. WISE-5231 also provides the MQTT client, it can directly connect to the major public IoT Cloud platform (such as: Microsoft Azure or IBM Bluemix) and MQTT Broker for message publishing and subscribing mechanism,. WISE also provide well thought-out CGI command functions to integrate with IP camera for the Access Control applications. Based on the ability as I/O module connection ability, Intelligent logic control,



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Data logging, and various communication protocols supported (SNMP, MQTT and Modbus TCP/RTU), WISE can help the IT/MIS/MES/SCADA system to manage the field side I/O modules and sensors efficiently in the application such as Unmanned Facility Room Monitoring, Intelligent Factory and Environment Monitoring. WISE-5231 is not just a Concentrator of I/O modules and Sensors; it is also a Gateway to transfer the sensor data to IoT Cloud platform. The flexible integration ability with the SCADA and IT software (or devices) and the reliable ability of real-time I/O logic control make WISE-5231 the most cost-effective I/O controller in the IoT (Internet of Thing) Age.

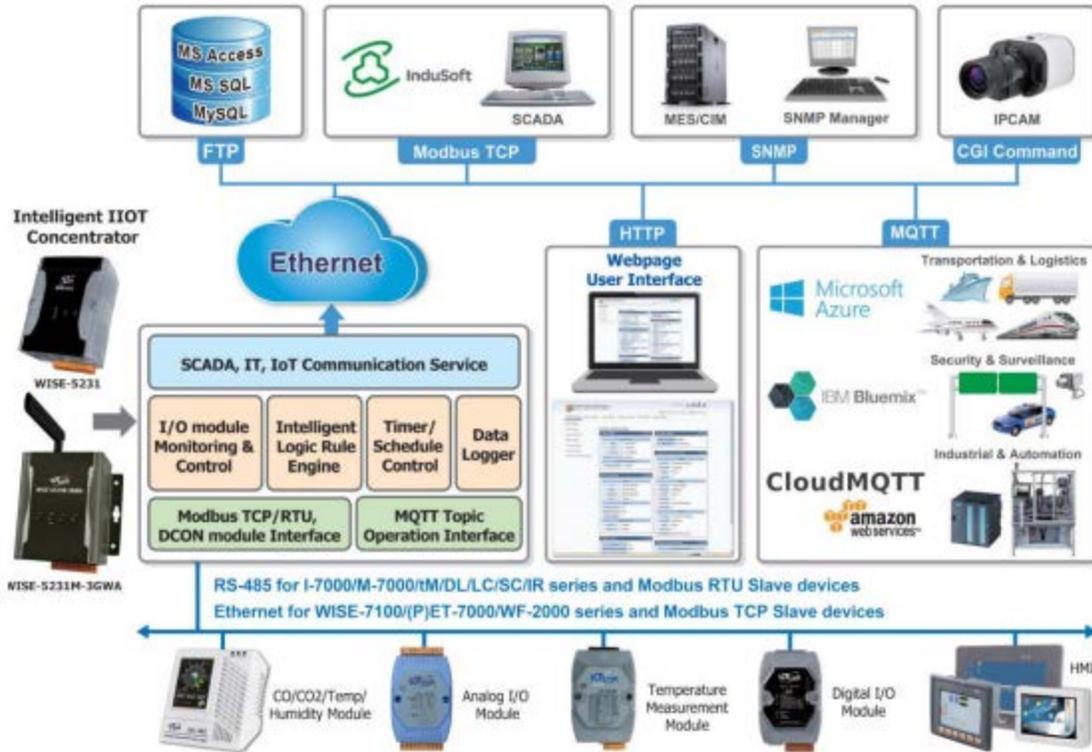


[WISE-5231- Web-based Intelligent Multifunction IoT Controller](#)



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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