Distributed Data Acquisition And Control System with GW-7472

Distributed data acquisition and control system is widely used in all industrial fields. It is used for implementing complex and costly applications. In a single control system, it involves many sub-systems, communication devices, data acquisition modules, and other I/O devices. They usually communicate over different protocols. Gateway or protocol converter would be the key “translate” element between two protocols. Compare to traditional centralized SCADA system, distributed data acquisition and control system is able to reduce the cost and time of troubleshooting or maintenance. Industries can also build their control system piece by piece into sub-systems and send all computed data to master system. In addition, both master system and sub-systems would be able to monitor and analyze the data or save for later.
GW-7472 is an Ethernet/IP to Modbus RTU/TCP gateway. It can scan or map the register data from Ethernet/IP device and exchange with Modbus register. One of the most common applications is the communication between Ethernet/IP PLC and Modbus data acquisition modules. GW-7472 would be the best medium between the two as the picture shown.

This application would only be one of the sub systems in a Distributed Data Acquisition And Control System. ICP DAS USA also offer gateways for different protocols, such as J1939, BACnet, Hart, Devicenet, Profinet, CANopen, Modbus, and other industrial protocols.

If you have other gateway 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