HART Introduction & Products

HART Gateway

Modbus to HART Gateway

HART-710 CR

NEW

HART-710 Gateway is specially designed for the master device of HART protocol. It allows the Modbus master device to access the HART slave devices. These HART devices may be a transmitter, an actuator, a current output device and so forth. In addition, we also provide the utility software for users to configure the HART-710. By using this module, users can integrate their HART device into Modbus network easily.
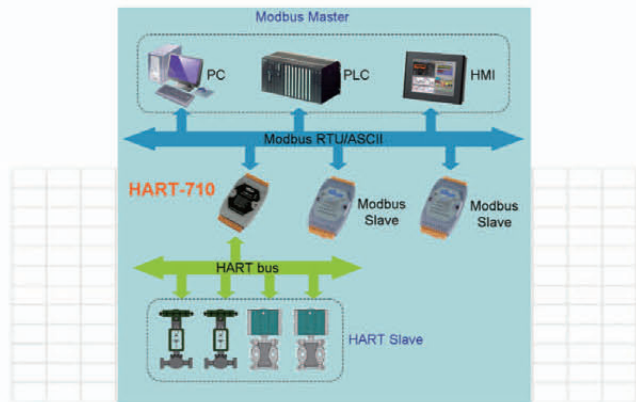
Features

✔ Support HART Short/Long frame
✔ Support HART Burst mode
✔ Allow two HART Masters
✔ Working in point-to-point or multi-drop HART mode
✔ Connecting up to 16 HART modules
✔ Support Modbus RTU and ASCII format
✔ Support Modbus Slave mode
✔ Isolated COM 1: RS-232/422/485
✔ Provide LED indicators
✔ Built-in Watchdog
✔ 4 kV ESD Protection
✔ Mountable on DIN Rail

Utility Features

✔ Read/Write HART device by HART command
✔ Provide diagnostic Information
✔ Read/Write module configuration of the HART-710
✔ Show Modbus address of HART command

HART Module

HART module for PAC

I-87H17W CR

Available soon

I-87H17W is an 8-ch HART analog input module. It can measures 4~20mA current and acts as a HART master, allowing communication with HART field devices. Users can measure current directly without any external resistor by using built-in resistor. The I-87H17W adopts DCON protocol and the baud rate is up to 115.2Kbps. ICP DAS also provides API library for users to develop their own program by VC, VB, C# or VB.Net environment.

✔ Support HART Short / Long frame
✔ Support 4 ~ 20 mA current input
✔ Allow two HART Masters
✔ Support HART protocol
✔ 2 or 4 wire transmitters
✔ With a built-in resistor
✔ Changeable Baudrate
✔ Open wire detection
✔ 4 kV ESD protection
✔ 2500 V_{DC} intra-module isolation
✔ Built-in Watchdog
✔ RoHS compliance
✔ Support DCON Protocol
✔ Provide API library