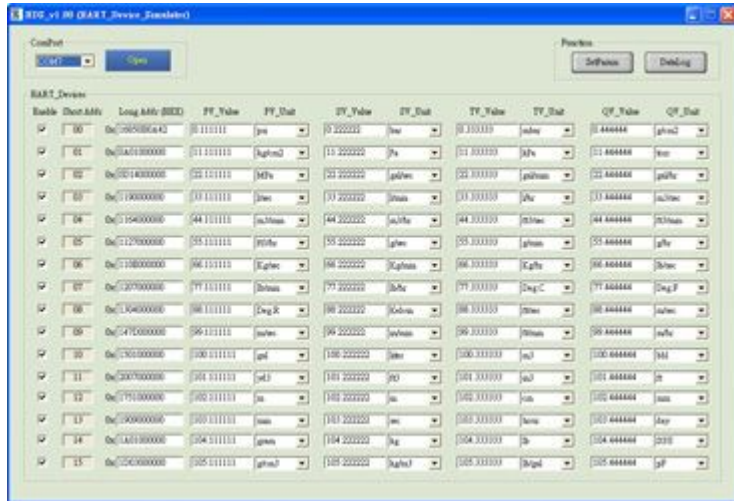
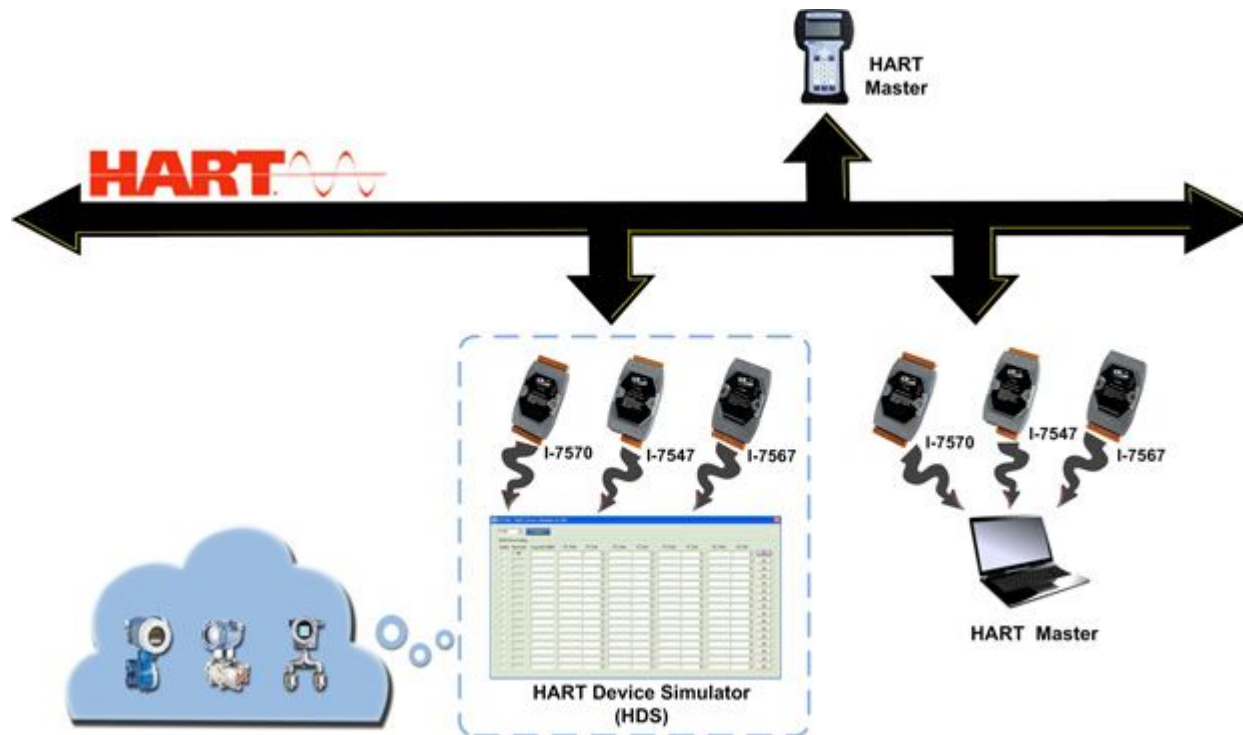


HDS (HART Device Simulator)



HART Device Simulator (called HDS) is the HART device simulation software developed by ICP DAS. It can be used to simulate multi HART slave devices simultaneously to exchange data with HART master device by using ICP DAS HART converter (like: [I-7567](#) / [I-7570](#) / [I-7547](#)) connected to any COM port (USB / 232 / 485 / Ethernet). By this way, users can develop or verify the HART master program without any HART slave device.

Applications



Features

- Free HART slave device simulation software (must work with any ICP DAS converter: I-7567 / I-7570 / I-7547)
- Support more than twenty HART commands (like: CMD0 / 1 / 2 / 3 ...)
- Provide the setting for the long frame address of HART device
- Provide the setting for the value and unit of HART command 3
- Support 16 HART devices simulation simultaneously (address 0 ~ 15)
- Exchange data with HART master device by using ICP DAS HART converter (like: I-7567 / I-7570 / I-7547)
- Support HART communication data log
- Compatible with revision 5 and 6 of HART protocol
- When the COM port is open, the HDS will listen for the incoming requests and response data
- Only the HART simulation device with the "Enabled" option checked will response data
- The field of the "Short Frame Address" is fixed
- The field of the "Long Frame Address" with 5 bytes can be set to simulate the different HART manufacturer's slave device
- All the HART communication data can be logged to file
- The four main values and units of PV / SV / TV /QV of HART command 3 can be set for every HART simulation device