

The following Modbus features are supported with certain DFS products at this time:

RHC (PLC/RDP Products)

Supported Modbus Protocols:

Modbus master

- Modbus ASCII (serial RS232 or RS485)
- Modbus RTU (serial RS232 or RS485)
- Modbus TCP (Ethernet)

Modbus slave

- Modbus ASCII (serial RS232 or RS485)
- Modbus RTU (serial RS232 or RS485)
- Modbus TCP (Ethernet)

Supported Modbus Function Codes:

- 01 Read Coil Status
- 02 Read Input Status
- 03 Read Holding Registers
- 04 Read Input Registers
- 05 Force Single Coil
- 06 Preset Single Register

Supported Modbus Data Types:

- Standard 5-digit registers
- 0xxx coils (digital outputs or digital inputs)
- 1xxx inputs (digital inputs)
- 3xxx input registers (analog inputs, 16-bit unsigned integer, 32-bit float, 32-bit float swapped)
- 4xxx holding registers (analog inputs or analog outputs, 16-bit unsigned integer, 32-bit float, 32-bit float swapped)
- 6-digit registers (via 6-digit map tool)
- Packed digital registers (via 6-digit map tool)

TCU001/TCU800 Products

Supported Modbus Protocols:

Modbus master

- Modbus ASCII (serial RS485)
- Modbus RTU (serial RS485)

Modbus slave

- Modbus ASCII (serial RS232)
- Modbus RTU (serial RS232)
- Modbus TCP (Ethernet)

Supported Modbus Function Codes:

- 01 Read Coil Status
- 02 Read Input Status

- 03 Read Holding Registers
- 04 Read Input Registers
- 05 Force Single Coil
- 06 Preset Single Register

Supported Modbus Data Types:

- Standard 5-digit registers
- 0xxxx coils (digital outputs or digital inputs)
- 1xxxx inputs (digital inputs)
- 3xxxx input registers (analog inputs, 16-bit unsigned integer, 32-bit float)
- 4xxxx holding registers (analog inputs or analog outputs, 16-bit unsigned integer, 32-bit float)

Hyper SCADA Server (HSS) Products

Supported Modbus Protocols:

Modbus master

- Modbus ASCII (serial RS232 via serial tunnel)
- Modbus RTU (serial RS232 via serial tunnel)
- Modbus TCP (Ethernet)

Modbus slave

- Modbus ASCII (serial RS232 via serial tunnel)
- Modbus RTU (serial RS232 via serial tunnel)
- Modbus TCP (Ethernet)

Supported Modbus Function Codes:

- 01 Read Coil Status
- 02 Read Input Status
- 03 Read Holding Registers
- 04 Read Input Registers
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Supported Modbus Data Types:

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- Packed digital registers (via 6-digit map tool)