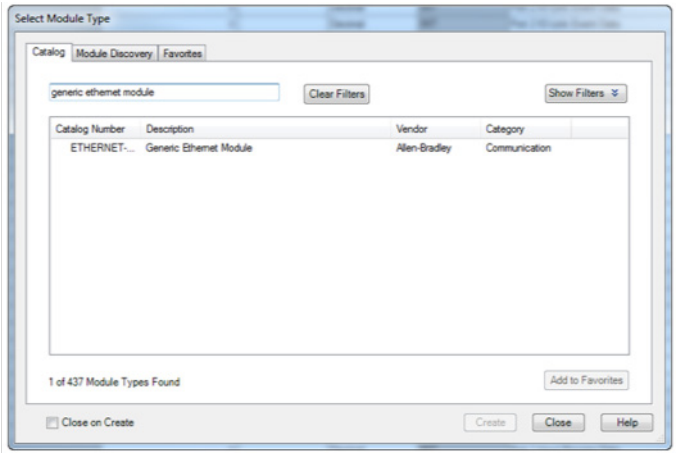
Generic Ethernet module setup

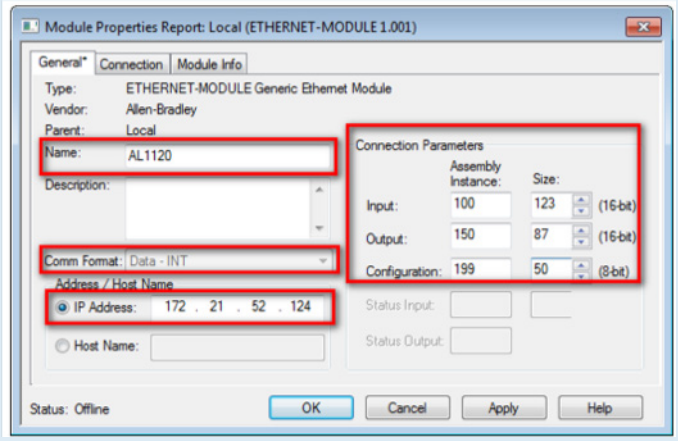
Use this method when an EDS file is not available.

1. Create generic Ethernet module block

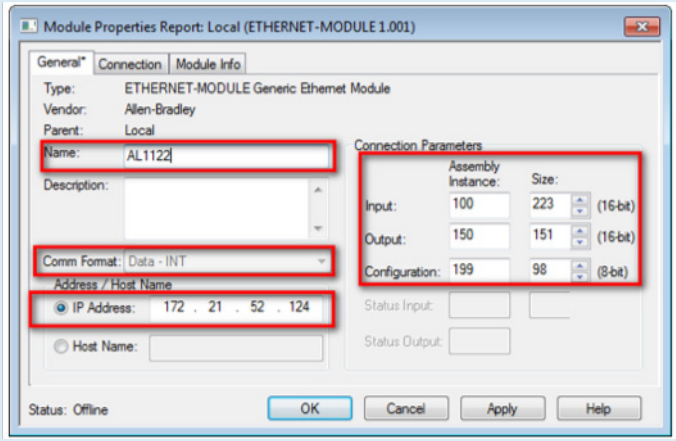


2. Configure the generic Ethernet module.

Example: AL1120 4-port master



Example: AL1122 8-port master



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3. Change configuration values in controller tags.
   a. Import the CSV file for the controller tags and descriptions. The descriptions explain where to find all data, including the process data for each port.
   b. Enter the hex values to configure each master.

Words 0 and 1:

− Block:C.Data	{...}	Hex	SINT[400]	
+ Block:C.Data[0]	16#03	Hex	SINT	Communication Profile
+ Block:C.Data[1]	16#04	Hex	SINT	Process data length

Port 1 (Repeat for each port on the master):

+ Block:C.Data[2]	16#03	Hex	SINT	Port 1: Operationg mode
+ Block:C.Data[3]	16#00	Hex	SINT	Port 1: Cyle time IO-Link master - IO-Link device
+ Block:C.Data[4]	16#01	Hex	SINT	Port 1: Byte swap
+ Block:C.Data[5]	16#00	Hex	SINT	Port 1: Data storage and validation Data Sorage
+ Block:C.Data[6]	16#00	Hex	SINT	Port 1: Vendor ID (LSB)
+ Block:C.Data[7]	16#00	Hex	SINT	Port 1: Vendor ID (MSB)
+ Block:C.Data[8]	16#00	Hex	SINT	Port 1: Device ID (LSB)
+ Block:C.Data[9]	16#00	Hex	SINT	Port 1: Device ID
+ Block:C.Data[10]	16#00	Hex	SINT	Port 1: Device ID (MSB)
+ Block:C.Data[11]	16#00	Hex	SINT	Port 1: Reserved
+ Block:C.Data[12]	16#00	Hex	SINT	Port 1: Fail safe mode
+ Block:C.Data[13]	16#01	Hex	SINT	Port 1: Fail safe value of DO (pin 4)

Note that the process data may require modification per the IODD pdf for each IO-Link enabled sensor.