

Can I use ISaGRAF controller (I-8417/8817/8437/8837, I-7188EG/XG) as a Modbus Master controller to gather data from other Modbus devices?

Ans: Yes. These ISaGRAF controllers all support Modbus Slave & Master protocol. PC, HMI & touch monitor which support Modbus can talk to these controllers by connecting to their Modbus slave ports. At the same time, these controllers can also use up to two of their Modbus master ports to talk to other devices which support Modbus slave protocol.

	I-8417/8817	I-8437/8837	I-7188EG	I-7188XG
COM1	(RS232) 1. Modbus slave 2. Modbus master	(RS232) 1. Modbus slave 2. Modbus master	(RS232) 1. Modbus slave 2. Modbus master	(RS232 or RS485) Modbus slave
COM2	(RS485) Modbus slave	N/A	(RS485) 1. Modbus master protocol 2. I-7000 & I-87K remote I/O protocol 3. User-defined or 3 rd party protocol	(RS485) 1. Modbus master:RS485 2. I-7000 & I-87K remote I/O protocol 3. User-defined or 3 rd party protocol
Ethernet	N/A	1. Modbus slave (TCP/IP) 2. Ebus	1. Modbus slave (TCP/IP) 2. Ebus	N/A
COM3	1. Modbus master (RS232 or RS485) 2. Fbus (RS485) 3. I-7000 & I-87K remote I/O protocol (RS485) 4. User-defined or 3 rd party protocol (RS232 or RS485)	1. Modbus master (RS232 or RS485) 2. Fbus (RS485) 3. I-7000 & I-87K remote I/O protocol (RS485) 4. User-defined or 3 rd party protocol (RS232 or RS485)	(Need extra X503~X514) User-defined or 3 rd party protocol (RS232 or RS485)	(Need extra X503~X514) User-defined or 3 rd party protocol (RS232 or RS485)
COM4	(RS232) 1. Modbus master 2. I-7000 & I-87K remote I/O protocol 3. User-defined or 3 rd party protocol 4. Modem-Link	(RS232) 1. Modbus master 2. I-7000 & I-87K remote I/O protocol 3. User-defined or 3 rd party protocol 4. Modem-Link	(Need extra X503~X514) User-defined or 3 rd party protocol (RS232 or RS485)	(Need extra X503~X514) User-defined or 3 rd party protocol (RS232 or RS485)
COM5 To COM8	(Need extra I-8112/8114 or I-8142/8144) User-defined or 3 rd party protocol (RS232 or RS485)	(Need extra I-8112/8114 or I-8142/8144) User-defined or 3 rd party protocol (RS232 or RS485)	(Need extra X503~X514) User-defined or 3 rd party protocol (RS232 or RS485)	(Need extra X503~X514) User-defined or 3 rd party protocol (RS232 or RS485)
COM9 To COM20	(Need extra I-8112/8114 or I-8142/8144) 5. User-defined or 3 rd party protocol (RS232 or RS485)	(Need extra I-8112/8114 or I-8142/8144) User-defined or 3 rd party protocol (RS232 or RS485)	N/A	N/A

Note: Sometimes Modbus slave protocol for serial port is also named as “Modbus RTU” or “Modbus serial”.