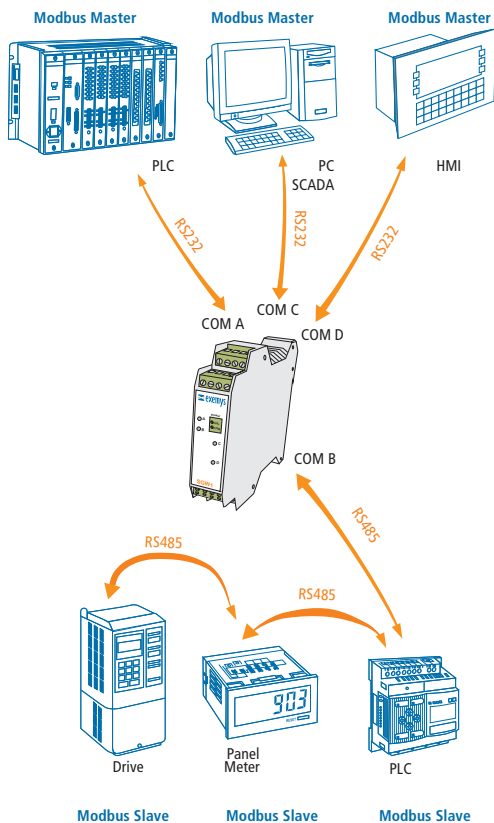# SGW1-IA2-MMP

Modbus Multiplexer

SGW1-IA2-MMP will allow you connect up to 3 Modbus ASCII/RTU masters to your Modbus ASCII/RTU slaves transparently.

If you have to connect Modbus slaves to more than one master, you need a device like the SGW1-IA2-MMP.
SGW1-IA2-MMP buffers the master´s polls giving them priorities, depending which of them came first, and then sends them to the slaves.
Each serial port can be configured with a different baud rate, parity and Modbus protocol (ASCII or RTU). So it is also possible to use SGW1-IA2-MMP as a converter.
Each serial port can be configured individualy to connect Masters or Slaves.

Modbus Master — PLC
Modbus Master — PC SCADA
Modbus Master — HMI

RS232
RS232
RS232

COM A
COM C
COM D
COM B

RS485
RS485
RS485

Drive
Panel Meter
PLC

Modbus Slave
Modbus Slave
Modbus Slave

FEATURES

- Up to 3 ports to connect Masters.

- Up to 3 ports to connect Slaves.

- No need of registers tables.

- It can be use as a Modbus RTU to Modbus ASCII converter.

- Wide range power supply 9 to 30 VDC, 9 to 26 VAC.

- Easy configuration.

- Industrial pluggable terminal blocks.

- DIN Rail mounting (optional).

SGW1-3100-ST-MMP

| Modbus Master | Modbus Master | Modbus Master |
| PLC | PC SCADA | HMI |

RS232 — COM A
RS232 — COM C
RS232 — COM D
COM B
RS485

RS485 — Drive — Modbus Slave
RS485 — Panel Meter — Modbus Slave
RS485 — PLC — Modbus Slave

SGW1-4000-ST-MMP

| Modbus Master | Modbus Master | Modbus Master |
| PLC | PC SCADA | HMI |

RS232 — COM A
RS232 — COM C
COM D
COM B
RS232

Drive — Modbus Slave

AS A CONVERTER

Modbus Master — ASCII 57600 bps.
RS232
RS232
Modbus Slave — RTU 9600 bps.

SPECIFICATIONS

|	
• **Serial Protocols:**	Modbus RTU / ASCII / ASCII 8 bits
• **Serial Interface:**	RS232, DB9 Male connector (DTE). RS232 & RS485 in pluggable terminal blocks.
• **Devices Supported:**	Any Modbus RS232/RS485 serial port device.
• **Baud Rates:**	1200, 2400, 4800. 9600, 14400, 19200, 28800, 38400, 57600, 115200
• **Modbus Masters:**	Up to 3 ports for master devices.
• **Modbus Slaves:**	Up to 3 ports for slave devices.
• **Management:**	RS232 serial console.
• **Indicators:**	Data to slave. Data from slave.
• **Dimension / Weight:**	4.49 x 3.94 x 0.89 in. (HxWxL). (114 x 100 x 22.5 mm). 0.31 Lbs (0.140 Kg).
• **Power Supply:**	9 to 30 Volts DC 9 to 26 Volts AC 200 mA max.
• **Enviromental:**	Operating temperature: 23 to 149 °F (-5 to 65 °C). Storage temperature: -40 to 167 °F (-40 to 75 °C).
• **Optional Accessories:**	DIN rail mount.
• **Guarantee / Support:**	1-year limited guarantee. Technical Support included.

ORDERING INFORMATION

PART NUMBER	SERIAL PORTS	
	RS232	RS485
SGW1-310-00-IA2-MMP	3	1
SGW1-400-00-IA2-MMP	4	---
SGW1-130-00-IA2-MMP	1	3

ISO 9001:2000
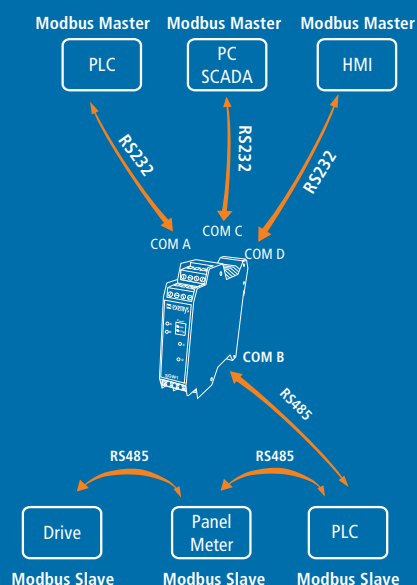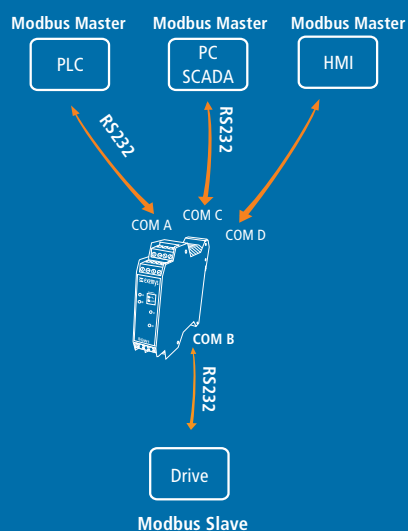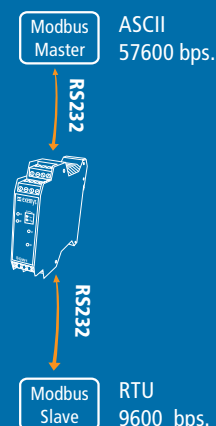
For pricing or any further information, please contact Omni Instruments Ltd.