

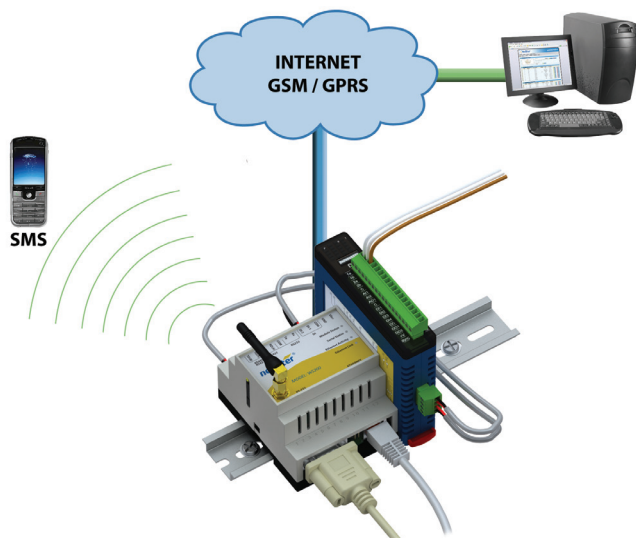
## Netbiter® I/O Extenders

The Netbiter® I/O Extender series is a collection of analog and discrete I/O modules with Modbus-RTU protocol communication. The modules are ideal for a wide variety of distributed I/O applications including data acquisition and control, process monitoring as well as test and measurement. Designed for industrial applications, the DIN rail mountable Netbiter I/O extenders can be connected in parallel with other Modbus equipment in a multi-drop installation topology.









- ✓ Modbus RTU Slave with RS-485 communication
- ✓ Fully compatible with Netbiter EasyConnect and WS series for communication over Ethernet, GSM and GPRS
- ✓ Screw terminals for wiring
- ✓ LED Indicators
- ✓ DIP switch for Modbus address setting
- ✓ DIP switch to set module to known communication parameters
- ✓ DIN rail mounting

When using the Netbiter I/O extenders together with the Netbiter EasyConnect and WS series gateways, it is possible to monitor/control the I/O signals over Ethernet LAN's, Internet or GSM/GPRS networks. This makes a powerful solution for remote monitoring and control, alarm management and data logging of I/O's.



HMS provides a full 3 year product guarantee from date of shipment.

TECHNICAL SPECIFICATIONS						
Order code	IOX-DAIO	IOX-8DIO	IOX-4RO	IOX-6RTD	IOX-8AIIV	IOX-8AIIS
Power supply Isolated between field and logic	12-24 V DC	12-24 V DC	24 V DC	12-24 V DC	12-24 V DC	12-24 V DC
Operating temperature	-10 °C to +50 °C	-10 °C to +50 °C	-10 °C to +50 °C	-10 °C to +50 °C	-10 °C to +50 °C	-10 °C to +50 °C
Dimensions W×H×D	23 × 109 × 98 mm	23 × 109 × 98 mm	23 × 109 × 98 mm	23 × 109 × 98 mm	23 × 109 × 98 mm	23 × 109 × 98 mm
Mounting	DIN rail	DIN rail	DIN rail	DIN rail	DIN rail	DIN rail
Serial baud rate	2 400 to 115 200	2 400 to 115 200	2 400 to 115 200	2 400 to 115 200	2 400 to 115 200	2 400 to 115 200
Connectors	4/18 Screw connector	4/18 Screw connector	4/18 Screw connector	4/18 Screw connector	4/18 Screw connector	4/18 Screw connector
Digital input	4	8	-	-	-	-
Digital output	-	8	-	-	-	-
Relay output	2	-	4	-	-	-
Analog inputs Voltage 0-10 V DC <sup>1</sup> or Current 0(4)-20 mA <sup>2</sup> 12 bit resolution	2	-	-	-	8 <sup>1</sup>	8 <sup>2</sup>
Analog output Voltage 0(2)-10 V DC Current 0(4)-20 mA 12 bit resolution	1	-	-	-	-	-
RTD inputs 2 or 3 wire 100 ppm/°C Typ. drift	2	-	-	6	-	-
RTD Types	PT100/Ni120/ PT1000/Ni1000/ Resistance	-	-	PT100/Ni120/ PT1000/Ni1000/ Resistance	-	-
Counters 32 bits on the digital inputs	4	8	-	-	-	-
Certifications	CE, <sub>C</sub> UL <sub>US</sub> , FCC/IC, PTCRB	CE, <sub>C</sub> UL <sub>US</sub> , FCC/IC, PTCRB	CE, <sub>C</sub> UL <sub>US</sub> , FCC/IC, PTCRB	CE, <sub>C</sub> UL <sub>US</sub> , FCC/IC, PTCRB	CE, <sub>C</sub> UL <sub>US</sub> , FCC/IC, PTCRB	CE, <sub>C</sub> UL <sub>US</sub> , FCC/IC, PTCRB

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The Netbiter solution is developed by HMS Industrial Networks, a leading independent supplier of industrial networking and remote management solutions.

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