



ModBus Slave

ICD provides an IO Server for communication with PLC automation systems and components requiring the ModBus Slave protocol.

MODBUS Slave Technical Facts and Features:

- Supports Several Slave ID's in one IO Server
- Supports several Addresses on one SlaveID
- Supports Digital and Analog signals intermixed
- Supports an unlimited amount of addresses (limited only by memory available)
- Supports setting access-rights on address-ranges
- Supports setting routing on each Channel.
- Supports the following MODBUS function codes:
 - Function code 0x03 (Read Holding Registers)
 - Function code 0x10 (Write Multiple Registers)
 - Function code 0x17 (Read Write Multiple Registers)
- Supports the TCP transport layer

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ICD has been in the automation business for 10 years, with well over 1500 applications now running CDP software. Rolls-Royce Marine uses CDP as a base for all their control systems, with CDP taking care of the communication and redundancy management for numerous safety-critical applications

See the user manual available for correct installation procedure and sample use.



```
<IOConfig>
<Protocol Type="ModbusSlave">
  <PacketType>TCP</PacketType> <!-- Can be
    'TCP' for now -->
</Protocol>
<Transport Type="TCP">
  <DebugLevel>1</DebugLevel>
  <NetworkInterface LocalName="ETH1"
    ListenPort="502"></NetworkInterface>
</Transport>
<Node UnitID="1">
  <Packet Address="0">
    <Channel Name="Channel1" Type="unsigned short"
      Input="0" Routing=""
      Description=""></Channel>
  </Packet>
</Node>
</IOConfig>
```

Sample XML configuration

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