

Ethernet I/O: Software Support

AMXX Series ActiveX / .NET Controls for Modbus I/O



Easy PC-based communication to Acromag BusWorks and EtherStax I/O

◆ Modbus/TCP or Modbus/RTU

Description

Acromag's AMXX Series software controls provide a fast, easy way to communicate with any Modbus/RTU or Modbus/TCP slave devices connected to your PC's serial or network ports. Within minutes, your Visual Basic, Visual C, .NET, Excel, or other compatible applications will be talking Modbus protocol.

AMRX Modbus/RTU ActiveX Control
The AMRX package is an easy to use ActiveX control that provides a convenient way to communicate to Modbus/RTU slave devices. It also includes a timer for polled data acquisition and a floating point conversion ActiveX control.

AMRN Modbus/RTU Forms Control
AMRN is a simple Windows Forms Control that provides a quick way to communicate with Modbus/RTU slave devices connected to your PC's serial port.

AMTX Modbus/TCP ActiveX Control
AMTX is an easy to use ActiveX control that simplifies communication with Modbus/TCP slave devices connected to your PC's wired or wireless network.

AMTN Modbus/TCP Forms Control
AMTN is an easy to use Windows Forms Control for Modbus/TCP to communication with slave devices connected to your PC's Ethernet port. It can be used on a form or optionally without a form.

Demonstration Programs
Demonstration versions are available. The demos are complete operating ActiveX controls that have a time limit. After 60-90 minutes, communication functions will be disabled. Re-starting the application will initiate another functional demonstration period.

Key Features & Benefits

- Any container application that can embed ActiveX controls can use the AMXX software packages
- At design time, you can access your Modbus device from the software's test property page
- Property page device access makes start-up and troubleshooting a snap – all without writing a single line of code
- Talking to a Modbus slave is as simple as calling a function with the necessary arguments
- The software automatically builds the command, appends a CRC, sends the request over the network, and validates the response
- Your program just reads and writes simple 16-bit data values
- ActiveX controls include a help file and examples for Excel, Visual Basic, C++
- .NET controls include a help file and examples for Visual Basic, C#, and Managed C++



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Software Controls Selection Guide

Controls	Protocols		Visual Studio 6.0		Visual Studio 2003/2005/2008			Windows			Compatible Products	
	Modbus/RTU (RS-485)	Modbus/TCP (Ethernet)	Visual Basic (VB6)	Visual C++ (VC6)	Visual Basic (.NET)	Visual C++ (.NET)	Visual C# (.NET)	Excel	32-bit	64-bit	900MB	900EN ES2000
AMRX	•		•	•				•	•		•	
AMRN	•				•	•	•		•		•	
AMTX		•	•	•				•	•			•
AMTN*		•			•	•	•		•	•		•

* AMTN is not compatible with Visual Studio 2003.

AMTX Modbus/TCP Master ActiveX Control Properties

Server | Test

ServerIPAddress: 192 . 168 . 1 . 200

ListenPort: 502 (502 recommended)

RcvTimeout: 500 ms

ConnectTimeout: 3000 ms

OK Cancel Apply Help

AMTX Modbus/TCP Master ActiveX Control Properties

Server | Test

Modbus

UnitID: 1 StartReg: 0 NumReg: 16

Access: Input Register(s) Holding Register(s) Coil(s) Discrete Input(s)

Format: Hex Decimal

Buttons: Read, Write, Report Slave ID, Read Exp. Stat.

Connect Disconnect

Status: No Error

Data: 000F 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000

OK Cancel Apply Help

Ordering Information

AMRX-CD
Modbus/RTU ActiveX Control,
Single Development Site License (on CD-ROM).

AMRN-CD
Modbus/RTU Windows Forms Control,
Single Development Site License (on CD-ROM).

AMTX-CD
Modbus/TCP ActiveX Control,
Single Development Site License (on CD-ROM).

AMTN-CD
Modbus/TCP Windows Forms Control,
Single Development Site License (on CD-ROM).

By purchasing a single development site license you may install the software and develop your application on a single PC and distribute it with your compiled application program royalty free an unlimited number of times. When used in a Microsoft Excel, Word, PowerPoint or other non-compiling end-user application program where full development capabilities are always present, a separate license file must be purchased and installed on each computer that the end-user application program is installed and running on. Please see the EULA included with the demo for complete licensing information.