What is Modbus/nModbus ?

What is Modbus protocol ?

Modbus is a communication protocol developed by MODICON Inc. in 1979. It's a standard, truly open and the most widely used network communication protocol in industrial automation field. SCADA and HMI software can easily integrate serial devices together via Modbus protocol.

What is Modbus/TCP protocol ?

Modbus/TCP protocol is a variant of Modbus protocol. It was developed in 1999 to allow Internet community access Ethernet devices.

What is nModbus ?

nModbus is a C# 3.0 implementation of the Modbus protocol. It is developed and maintained on a voluntary basis and provided free of charge.

ICP DAS verified and improved the DLL based on the official released NModbus_net-2.0_1.11.0.0-source.zip.

Programmers can use the DLL released by ICP DAS to develop a Modbus application for regular Windows based PCs or WinCE based devices. The DLL features.

- Modbus/RTU Master/Slave
- Modbus/ASCII Master/Slave
- Modbus/TCP Master/Slave
- Modbus/UDP Master/Slave

Download the DLL and Demos

- **WinForm: Ver. 1.12.0.0 [2010/08/24]**
  - DLL and Documents: nModbusPC.dll, log4net.dll
  - Demos
- **WinCE: Ver. 1.12.0.0 [2010/08/24]**
  - DLL and Documents: nModbusCE.dll, CABC.dll, FC19.dll
  - Demos

What software supports Modbus and Modbus/TCP protocol ?

Most of SCADA (Supervisor Control And Data Acquisition) and HMI software support Modbus. For example: Citect, ICONICS, iFIX, InduSoft, Intouch, Entivity Studio, Entivity Live, Entivity VLC, Trace Mode, Wizcon, Wonderware... etc.

What are the benefits of using Modbus and Modbus/TCP protocol ?

1. Openness, no license fees.
2. Widely supported by SCADA and HMI software
3. Easy to use
4. Easily integrate variant devices
5. Low development cost
6. Widely knowledge resource

What are the benefits of using Modbus and Modbus/TCP protocol ?

http://www.modicon.com

Web page of original Modbus protocol inventor, MODICON Inc.

http://www.modbus.org

A community for Modbus users of Modbus users

http://www.modbustools.com

ActiveX component and test tools to communicate with equipments via Modbus (RTU/ASCII) or Modbus/TCP

http://ftp.icpdas.com/pub/cd/8000cd/napdos/modbus/modbus_master_tool/
http://ftp.icpdas.com/pub/cd/winpac/napdos/wp-8x4x_ce50/system_disk/tools/modbus_master_tool/

ICP DAS provides a test tool of Modbus connection.