

NAPOPC_ST DA Server Series

OPC DA Server Application Software
(OLE for Process Control and Data Access Server Software)

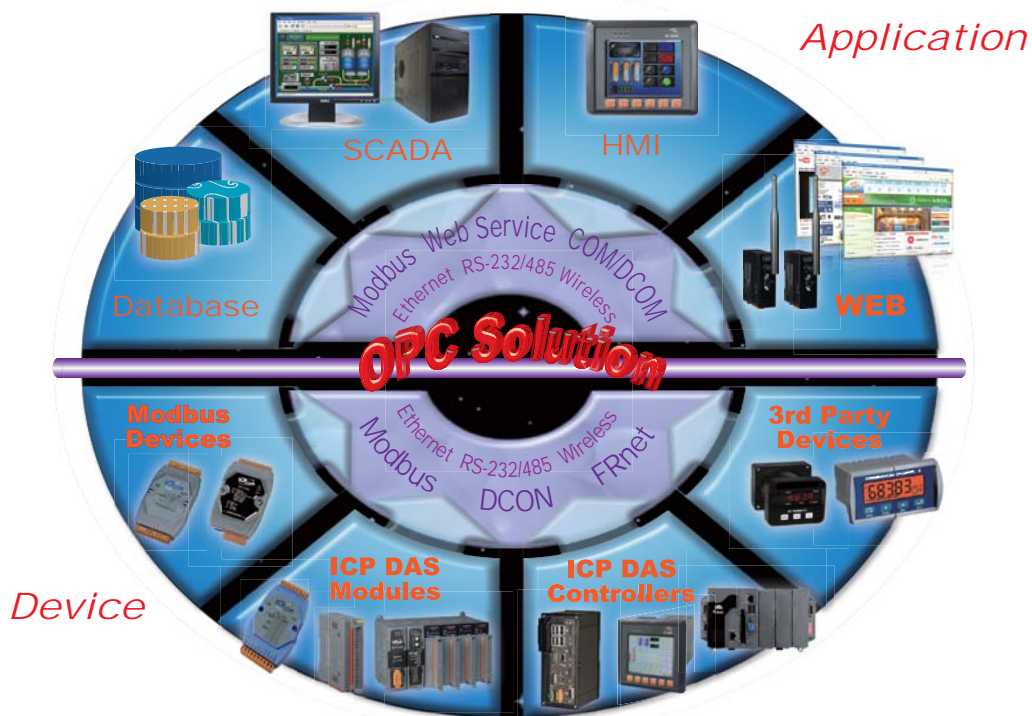
Features

- Free for ICP DAS Products: I-7000/M-7000 ... Series
- Explorer-Style User Interface
- Multi-Thread Communication
- Auto Search For ICP DAS Modules
- Auto Generate For ICP DAS Module Setting
- Support Modbus RTU/TCP/ASCII Devices
- Unique Design: Active Data Transmission Mechanism (Client Side)

Introduction

NAPOPC DA Server is a free OPC DA Server Application Software ("OPC" stands for "OLE for Process Control" and "DA" stands for "Data Access") for ICP DAS products. Based on Microsoft's OLE COM (component object model) and DCOM (distributed component object model) technologies, NAPOPC DA Server defines a standard set of objects, interfaces and methods for use in process control and manufacturing automation applications to facilitate the interoperability.

Using NAPOPC DA Server, system integrates data with SCADA/HMI/Database software on the same computer and others. SCADA/HMI/Database sends a request and NAPOPC DA Server fulfills the request by gathering the data of ICP DAS modules ([License Free](#)) and third-party devices ([License Charge](#)) to SCADA/HMI/Database.



Product Series

NAPOPC_ST DA Server	NAPOPC_XPE DA Server	NAPOPC_CE5 DA Server	NAPOPC_CE6 DA Server
For Windows XP/7/10 OS	For Windows WES OS	For Windows CE 5.0 OS	For Windows CE 6.0 OS

Specifications

Products	NAPOPC_ST DA Server	NAPOPC_XPE DA Server	NAPOPC_CE5 DA Server	NAPOPC_CE6 DA Server
Hardware Platform	Enterprise Server (PC)	XPAC-8000	WinPAC-8x4x ViewPAC-2xWx	XPAC-8000-CE6
I/O Driver				
Ethernet (Distributed I/O)	Modbus TCP	Modbus TCP	Modbus TCP	Modbus TCP
Serial (Distributed I/O)	Modbus RTU/ASCII DCON	Modbus RTU/ASCII DCON	Modbus RTU/ASCII DCON	Modbus RTU/ASCII DCON
FRnet	Y	Y	Y	Y
PAC Slot I/O	-	Y	Y	Y
Protocol				
OPC Client / OPC Server	Y	Y	Y	Y
Modbus Master / Modbus Slave	Modbus Master	Modbus Master Modbus Slave	Modbus Master Modbus Slave	Modbus Master Modbus Slave
DCON	Y	Y	Y	Y
Supported Operating Systems				
OS	Windows XP/7/10	Windows WES 2009/7	Windows CE.NET 5.0	Windows CE.NET 6.0
Application Development Tools				
Compiler	Visual Basic Visual Studio .Net	Visual Basic Visual Studio .Net	EVC++ Visual Studio .Net	EVC++ Visual Studio .Net
Third Party Device Supports				
Modbus	N (Please order License)	Y	Y	Y

Note : NAPOPC DA Server does not support WinCE7 series PAC.

Support

- Windows XP/7/10/WES operating system
- Support Remote Procedure Call (RPC) with NAPOPC_CE5/CE6 DA Server
- ICP DAS I-7K/I-8K/I-87K I/O modules
- ICP DAS Ethernet I/O
- ICP DAS FRnet Remote I/O
- ICP DAS ZigBee modules
- ICP DAS Embedded Controllers which support Modbus protocol
 - ICP DAS μPAC
 - ICP DAS iPAC
 - ICP DAS WinCon/WinPAC
 - ICP DAS LinPAC
 - ICP DAS ViewPAC
 - ICP DAS XP-8000/XP-8000-CE6
- Compliant with OPC specification V2.05
- Compatible with most development platforms (Visual C++ · Visual Basic, Visual Studio .Net)
- Compatible with all local and remote OPC Client (Remote Accessing using DCOM technique)
- We have tested the servers with the following packages:
 - Client program provided by Factory Soft Inc. (Visual Basic 5.0 Demo)
 - LabVIEW (<http://www.ni.com/labview/>)
 - Server Explore provided by National Instruments (<http://taiwan.ni.com/>)
 - WIZCON (<http://www.wizcon.com/>)
 - iFix (<http://www.gefanuautomation.com/>)
 - InduSoft (<http://www.indusoft.com/>)
 - CitectSCADA (<http://www.citect.com/>)

Applications

- Database Application
- Protocol Conversion Application
- VxComm Application
- Active Server to Client Communication
- Direct Cross-Process I/O Access
- Wireless I/O Application


Ordering Information

To order NAPOPC_ST DA Server license for supporting the third party Modbus devices, please contact your distributor.

» RUN-TIME License For NAPOPC_ST DA Server

NAPOPC-MB-E	Support Third Party Modbus Devices : Modbus TCP Master, one HardKey included.
NAPOPC-MB-S	Support Third Party Modbus Devices : Modbus ASCII/RTU Master, one HardKey included.
NAPOPC-MB-ALL	Support Third Party Modbus Devices : Modbus TCP/RTU/ASCII Master, one HardKey included.

» Hardkey

	<p>NAPOPC HardKey is an encapsulated chip that must be physically connected to the USB Port of the local computer on which NAPOPC_ST DA Server is installed.</p>
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