Easy-to-use Woodhead® DAServers offer maximum performance and reliability in Wonderware® FactorySuite® applications.
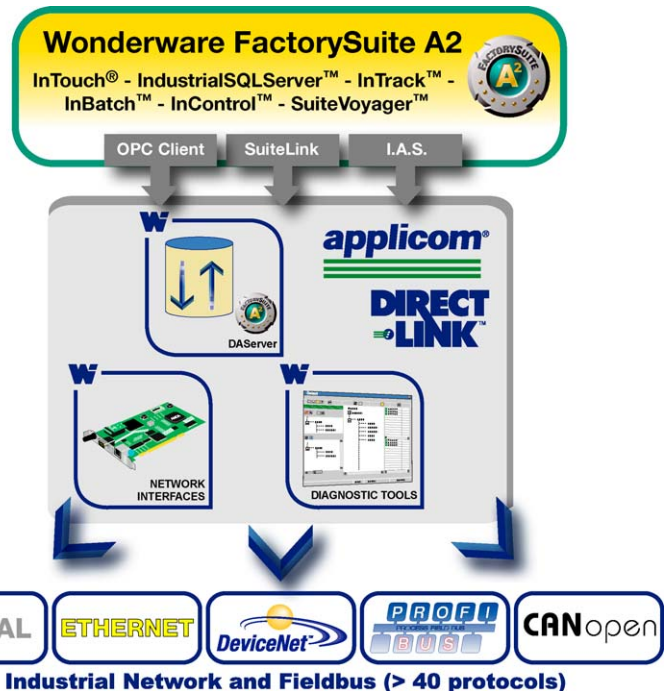
Woodhead DAServer

Data Access servers for Industrial Networking

Features

- **Available in all applicom®, applicomIO® and Direct-Link™ packages**

- **A broad range of connectivity options**

- **Jointly tested with Wonderware**

- **First DAServer from a Wonderware solution provider**

- **Fully integrated in ArchestrA® Environment**

- **Network Diagnostic and Test tools included**

DAS Technology

DAServer (Data Access Server) is **Wonderware's next-generation I/O server** built on ArchestrA™ technology. DAServers are designed to provide simultaneous connectivity between Wonderware FactorySuite client applications and industrial devices (PLCs, RTUs, DSCs, flow controllers, loop controllers, scales and other hardware).

For data exchange, DAServer supports not only the **OPC Data Access 2.05** specification (both Client and Server connectivity thanks to ArchestrA™ architecture), but also **SuiteLink, DDE** and **FastDDE** servers.

In addition, the Wonderware DAServer includes a user interface called **ArchestrA™ SMC (Management Console)**. Its end-user benefits include simple remote server activation, configuration and operation, and extensive protocol diagnostic troubleshooting.

Woodhead DAServers

The Woodhead DAServer found in applicom®, applicomIO® and Direct-Link™ software packages, allows Wonderware users access to real time process data from **more than 40 industrial communication protocols** such as Ethernet TCP/IP, Profibus, DeviceNet, CANopen, Serial, Modbus Plus, etc. This in turn enhances communication with industrial automation systems from Allen-Bradley, Siemens, Schneider, Mitsubishi, GE Fanuc, Omron and many others.

Woodhead DAServers use Direct-Link™ Software Drivers, or applicom® and applicomIO® intelligent interface card technology which benefits from an **embedded** processor running real time OS and executing all the management and processing of industrial protocols. Other features of Woodhead technology include: Client/Server as well as Master/Slave access modes, internal database (32 Kbits/32 Kwords) and interface cards available in various form factors (PCI/PCI-universal/CompactPCI and PC/104).

The Woodhead DAServer is included in the Wonderware Device Integration Solutions CD. Woodhead DAServers are the first servers created by a third party to support the next-generation installations built on ArchestrA™ Technology▲

Supported OS

- **Windows 32-bit (XP SP1 / 2003 Server / 2000 SP3)**

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Woodhead DAServer

Connectivity

When you purchase applicom® or Direct-Link™ solutions, the following protocols are included in the package. Depending on the applicom® interface card used, it is possible to run one or more protocols simultaneously through a single DAServer connection.

Manufacturer	Protocol	Product(1)	Access(2)	Description
Allen-Bradley	Eth. TCP/IP - **PCCC**	**A**	C/S	▪ EtherNet/IP for ControlLogix series ▪ CSP for PLC-5 and SLC 500 series ▪ PLC-5 or Logix5000 through ControlLogix gateway with DH+ and ControlNet interfaces
	EtherNet/IP (I/O messaging)	**O**	M/S	▪ CIP based connections (Implicit and Explicit messages) ▪ Generic EtherNet/IP devices supported
	Serial - **DF1 & DF1 to DH / DH+ / DH485**	**A**	M, C/S	▪ For PLC-5 and SLC 500 series (programming port) ▪ DH / DH+ / DH485 industrial networks access (through 1170-KF2 or 1170-KF3 from A-B)
Altus	Eth. TCP/IP - **Alnet II**	**A, D**	C/S	▪ For Altus AL200x and Webgate series
CANopen	CANopen	**O**	M	▪ All CANopen slave devices with the profiles (DSP 401, DSP 402, DSP 403, WD 404, DSP 406)
DeviceNet	DeviceNet	**O**	M/S	▪ Supported devices: "Group 2 Only Server" and "U.C.M.M. capable" equipments
GE Fanuc	Eth. TCP/IP - **SRTP**	**A, D**	C/S	▪ For Alspa 90-30 and 90-70 series
	Serial - **SNP-X**	**A, D**	M	▪ For Alspa 90-20, 90-30 and 90-70 series
Mitsubishi	Eth.TCP/IP - **Melsec**	**A, D**	C/S	▪ For A and Q series
Omron	Eth. TCP/IP - **FINS**	**A, D**	C/S	▪ For Sysmac C, CV and CS series
	Serial - **Sysmac Way**	**A**	M	▪ For Omron PLCs
Profibus EN50170	**S7/MPI**	**A, D**	M	▪ For Simatic S7-300 and S7-400 series
	FDL S5	**A**	M	▪ For Simatic S5 series
	DP-V0 Class1 & 2	**A, O**	M/S	▪ All DP-V0 compatible devices
	DP-V1 Class1 & 2	**O**	M	▪ All DP-V1 compatible devices
	DP-V0 Slave only	**D, O**	S	▪ All DP Master compatible devices
Schneider Electric	Eth. TCP/IP – **Modbus TCP & UDP**	**A, D, O**	C/S	▪ For TSX Premium (57), TSX Quantum series ▪ For all Open Modbus TCP and UDP compatible devices
	Serial - **Modbus ASCII**	**A, D**	M/S	▪ For all Modbus ASCII compatible devices
	Serial - **Modbus RTU**	**A, D**	M/S	▪ For all Modbus/Jbus RTU compatible devices
	Modbus Plus	**A**	C/S	▪ For TSX Premium (57), TSX Quantum, Modicon 984 and all MBP devices ▪ Serial Modbus to Modbus Plus routing (PLC programming)
	Eth. TCP/IP - **Uni-TE v2**	**A, D**	C/S	▪ For Premium / Micro (TSX 57/ 37), TSX/PMX PL7-3 (47, 67, 87, 107) via TSX 57
	Ethernet - **Ethway**	**A**	C/S	▪ For Premium / Micro (TSX 57/ 37), TSX 17, TSX/PMX (47, 67, 87, 107), April
	WorldFIP - **Fipway**	**A**	C/S	▪ For Premium / Micro (TSX 57/ 37), TSX 17, TSX/PMX (47, 67, 87, 107)
	Serial - **Uni-Telway**	**A, D**	C/S, M/S	▪ For Premium / Micro (TSX 57/ 37), TSX 17, TSX/PMX (47, 67, 87, 107)
Siemens	Eth. TCP/IP – **Industrial Ethernet TCP**	**A, D**	C/S	▪ Siemens S7 messaging for S7-200 / 300 / 400 series ▪ Siemens Read/Write S5 messaging for Simatic S5 series ▪ Siemens CAMP and R/W messaging for Simatic TI-505 series
	Eth. ISO – **Industrial Ethernet ISO**	**A**	C/S	▪ Siemens S7 messaging for S7-300 / 400 series ▪ Siemens Read/Write S5 messaging for Simatic S5 series ▪ Siemens CAMP and Read/Write messaging for Simatic TI-505 series
	Serial - **PPI / PPI+**	**A, D**	M	▪ For Simatic S7-200 series through console port
	Serial - **3964 / 3964R**	**A**	M	▪ Point-to-point protocol with Siemens RK512 (Simatic S7 or S5 series)
	Serial - **AS511**	**A, D**	M	▪ For Simatic S5 PLCs (programming port)
	Serial - **TI-Dir**	**A, D**	M	▪ For Simatic TI-505 PLCs (programming port)
Saïa Burgess	Serial - **SBus**	**A**	M	▪ For Saïa PCD series
Moeller Group	Serial - **Sucoma**	**A**	M	▪ For PS32 and PS316 series (programming port)
Elsag Bailey	Serial - **DataLink**	**A**	M	▪ For DCI regulator from Fisher&Porter, series 2000, 5000 and Supervisor

(1) – **A**: applicom® package for Industrial Networks / **D**: Direct-Link™ package for Industrial Networks / **O**: Direct-Link™ applicomIO® package for fieldbuses

(2) – **M**: Master - **S**: Slave - **M/S**: Master/Slave - **C/S**: Client/Server

*- also available: Woodhead **FastDDE** and **SuiteLink** data servers -*

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Software