Artesis Enterprise Server

Database and OPC Server for Artesis Devices

Description

AES is the gateway between Artesis intelligent devices (MCMs and PCMs) and client-side applications such as HMI, condition monitoring, SCADA, and reporting systems.

AES Key Features

- Connection up to 700 MCMs and PCMs through serial and TCP/IP on a single computer.
- Simple configuration process covers set-up of system, devices, and connected machinery.
- In-built OPC server presents full range of outputs, and allows remote control of devices.

Devices	Each serial or TCP/IP channel can connect to up to 31 devices (MCMs or PCMs in any combination)
OPC Server	• One OPC server is configured per system (on the master AES instance) • Compatible with OPC DA 2.0 • Presents tags for full range of measurement and status information every 90 seconds • Allows remote control and monitoring of any connected device (MCM or PCM) • Firewall compatibility provided through bridging and tunnelling for simple implementation
Computer Requirements	PC with 2 GHz or higher processor clock speed recommended, • 2 GB of RAM or higher, • 10GB of available hard disk space, • Super VGA (1024 x 768) or higher-resolution video adapter and monitor, • Keyboard and Mouse or compatible pointing device, • Operating System (MS Windows XP, MS Windows Server 2003, MS Windows Server 2008, MS Windows Vista, MS Windows 7)
Communication	
Network Support	Ethernet and RS232 (with appropriate Ethernet or RS232 converter)
Protocols	Input: TCP/IP, Serial Output: OPC DA 2.0
SQL Database	• AES SQL database stores all configuration, measurement, and analysis data • Most popular database types are supported including MS-SQL, MySQL, and Oracle • All database tables are documented for simple access by client applications • Multiple AES instances can share a single SQL database and OPC server • Each AES instance can connect to up to 4 serial channels and up to 20 TCP/IP channels
Database Server	• One database is configured per system • The database also contains all setup and configuration parameters, device status histories, equipment information, and maintenance logs
Part Number	AES-SC-01-0001X-E