



Specialised Driver Extensions providing significant performance enhancements and back-loading time series data capability for leading Software and Hardware combinations



DNP3 Driver

PERFORMANCE DRIVERS

DNP3 protocol is a recognised SCADA industry standard designed to provide high security, with moderate speed and moderate throughput. Its multiple vendor support, allows a system to be designed without committing to a single vendor hardware decision.

The Parasyn DNP3 Driver is an implementation of the Distributed Network Protocol version 3.00 (DNP3) which enables configuration with the specific intent of maximising the data throughput of using this protocol.

With a carefully formulated plan on how to manage data throughput, the driver configuration can be optimised to work with very large enterprise solutions. It also provides prioritised management of write requests, imperative for slow networks that use the Public Switched Telephone Network.

Enterprise agility – Performance Middleware

Parasyn "middleware" ensures that your data assets are exploited in the manner that best serves the needs of your organisation. Your organisation is empowered by having the freedom to mix and match "best of class" IT and Control infrastructure components without "vendor lock-in" at the operating system, programming language, application server, database or hardware level.



RICH FEATURES

- Supports TCP/IP (and Serial through an external Serial to Ethernet converter) communications.
- Runs as a server that supports DDE, Suitelink, OPC® (supporting OPC DA 2.05 standard) client interfaces.
- Supports very large enterprise solutions.
- Driver matches maximum performance of DNP3 compliant hardware, without any compromise to SCADA server performance.
- Operates with Archestra data types .
- Provides Historian Interface (Wonderware Historian and Instep Software's eDNA) for event log and real time data.
- Provides a real-time data interface into CitectSCADA.
- Flexible debug information provided to the SMC (a Microsoft Management Console snap-in).
- Highly configurable through custom editors which run in the DAserverManager snap-in to the System Management Console(SMC).
- Flexible polling scheme, allowing either poll by class, or poll for specific objects.
- When performing a class poll, each class can be polled at a different rate.
- Supports polling of multiple outstation devices.
- All input, output and counter objects supported.

OPERATING SYSTEM COMPATABILITY

OPERATING SYSTEM	OS UPDATE	32/64 BITS	SUPPORTED
Microsoft Windows XP Professional	SP1 SP2 SP3	32	✓
Microsoft Windows Server 2003 (Standard & Enterprise)	SP1 SP2	32 & 64	✓
Microsoft Windows Server 2003 R2 (Standard & Enterprise)	SP1 SP2	32 & 64	✓
Microsoft Windows Server 2008 (Standard & Enterprise)	SP1	32 & 64	✓
Microsoft Windows Server 2008 R2 (Standard & Enterprise)	SP1	32 & 64	✓

INTERFACE COMPATABILITY

Citect 6.0 and later

Invensys Historian 9.0 and later

eDNA 2013 R2 (Historian V4 storage subsystem)

SUPPORT

For more information or to request a trial program please email your request to: kingfisher@parasyn.com.au.

www.parasyn.com.au

