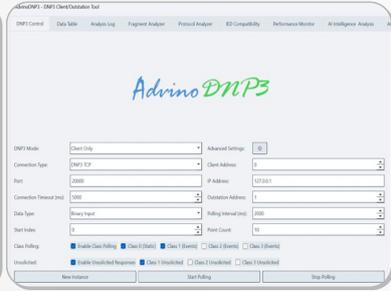
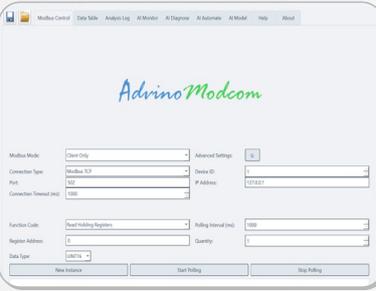


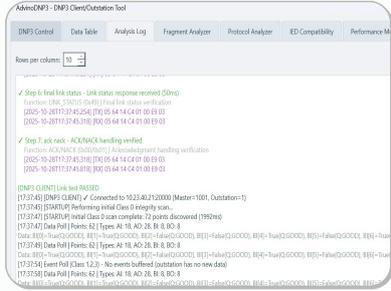
AdvinoProtoSuite

AdvinoProtoSuite is a versatile and robust protocol test harness designed to streamline the testing, validation, and simulation of key industrial communication protocols. With support for Modbus, DNP3, IEC 60870-5-104, and IEC 61850, AdvinoProtoSuite empowers engineers and system integrators to ensure seamless interoperability, reliability, and compliance across a wide spectrum of applications.

Comprehensive Protocol Test Harness for Industrial Communication



	Index 1	Value 1	Quality 1	Timestamp 1
1	binary_input[0]	True	GOOD	-
2	binary_input[1]	True	GOOD	14:39:16.649
3	binary_input[2]	False	GOOD	14:39:39.782
4	binary_input[3]	False	GOOD	-
...



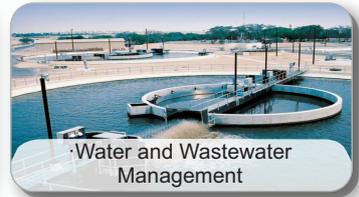
Key Supported Protocols

Protocol	Type	Supported Modes	Medium
Modbus	Serial / TCP	Client, Server	RS232 / RS485 / Ethernet
DNP3	Serial / LAN-WAN	Client, Outstation	Serial / TCP
IEC 60870-5-104	TCP	Client, Outstation	TCP/IP
IEC 61850	MMS	Client, Server	Ethernet

Note: IEC 60870-5-104 and IEC 61850 support are under active development and will be available in upcoming releases.

Domains & Sectors

Powering Protocol Validation Across Industries



Product Features

- Multi-protocol testing in a single unified software platform
- Multi-Protocol Support: Concurrent simulation and testing of different protocols within a single environment.
- Flexible Configuration: Customisable test scenarios, parameterisation, and scripting for complex test cases.
- Intuitive User Interface: Modern, easy-to-navigate GUI for fast setup and diagnostics.
- Real-time Monitoring: Live data capture, event logs, and protocol decoding for deep analysis.
- Automated Testing: Batch execution, scheduling, and reporting to save time and improve reliability.
- Extensive Reporting: Exportable test results in multiple formats (INI, CSV).
- Interoperability: Designed for seamless integration with existing test benches and systems.
- Scalable Architecture: Supports single device to system-level testing.
- Futuristic & AI-Ready: Built on a scalable framework to support upcoming NextGen automation features and AI-assisted protocol testing.

Technical Specifications

Protocol Support	Modbus RTU/TCP, DNP3, IEC 60870-5-104, IEC 61850 (MMS)
Connectivity	Ethernet (RJ45), Serial (RS232/RS485)
Network Support	IPv4/IPv6
Test Modes	Client only, Server only, Integrated Client Server Gateway, Simulation, Emulation
Scripting	Python, TCL (customisable test scripts)
Reporting Formats	INI, CSV
Security Features	User access control, encrypted communication (TLS/SSL for supported protocols)

System Requirements

Processor	Intel i5 or higher
RAM	8 GB or more
Storage	1 GB free space
Operating System	Windows 10/11, Linux (selected distributions)
Network	1 Ethernet port (for TCP/IP testing)
Optional	Serial-to-USB converter for RS232/RS485 communication

Benefits

- Reduces time-to-market for new products and solutions by enabling rapid protocol validation.
- Enhances reliability of industrial communication networks via comprehensive test coverage.
- Improves compliance with international standards and industry best practices.
- Minimises operational risk through early detection of interoperability issues.

Ordering Information

Package	Included Protocols	Order Code
AdvinoProtoSuite Basic	Modbus, DNP3	APS-BSC
AdvinoProtoSuite Standard	All protocols	APS-STD
AdvinoProtoSuite Pro	All protocols + Advanced Automation	APS-PRO

About Advinonex Automation LLP

Advinonex Automation LLP is a technology-driven engineering company focused on delivering reliable automation, communication, and software solutions across power, energy, and industrial domains. With deep expertise in protocol engineering, system integration, and digital automation, Advinonex empowers industries to build smarter and more connected infrastructure.

Contact & Support