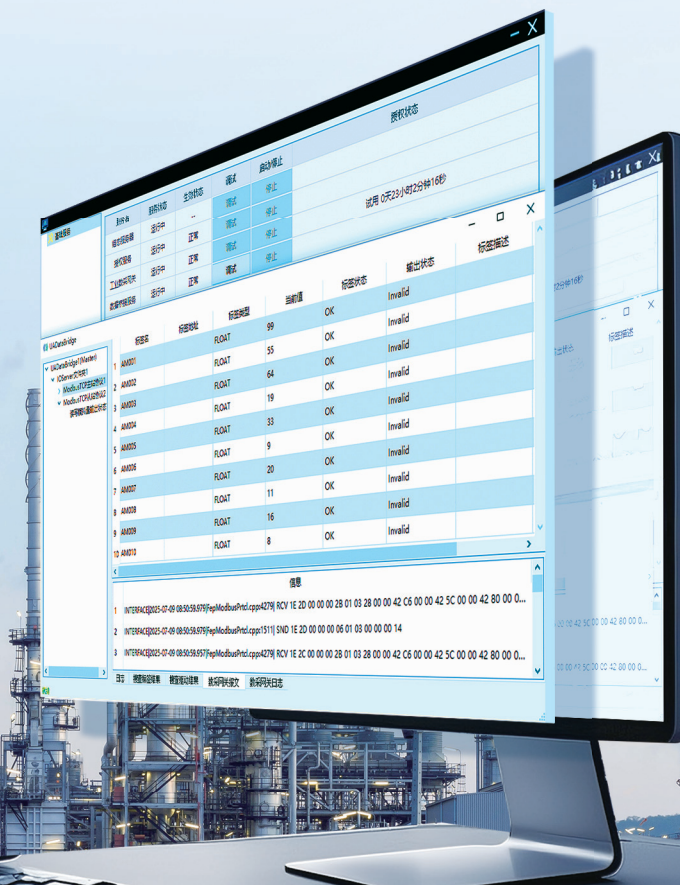


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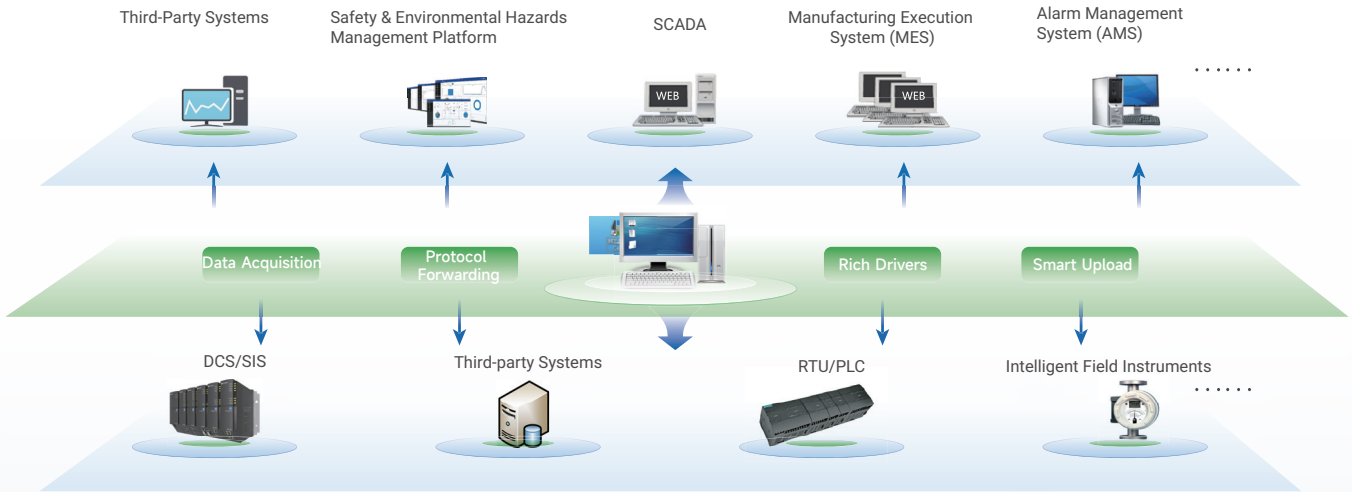
HiaCOM

Universal Communication Software



Overview

HiaCOM is a cross-platform universal communication software for automation control, developed by HollySys. It supports both Kylin and Windows OS, and has passed the Trusted Innovation Product Certification. By enabling bidirectional protocol conversion, HiaCOM breaks the DCS-centric communication model—supporting simultaneous multi-device communication and serving as a true data exchange hub.



Interconversion between multiple protocols enables data interoperability among multiple systems.

Certificates



Product Features

Simple & Clear Data Interaction

Data points from the same source can be synchronized through common tag name associations, without requiring assignment to objects.

Perfect Backup & Recovery Implementation

The ability to easily import and export project files and configuration databases significantly improves project deployment efficiency.

Supporting Batch Import for HollySys DCS Database

Offline network batch import to M6/M7 databases provides efficient and convenient project deployment.

Intelligent Driver & Tag Search

Supporting online searching of drivers and tags, enabling efficient project positioning and streamlined communication debugging.

All-in-One Communication Operation Diagnostics

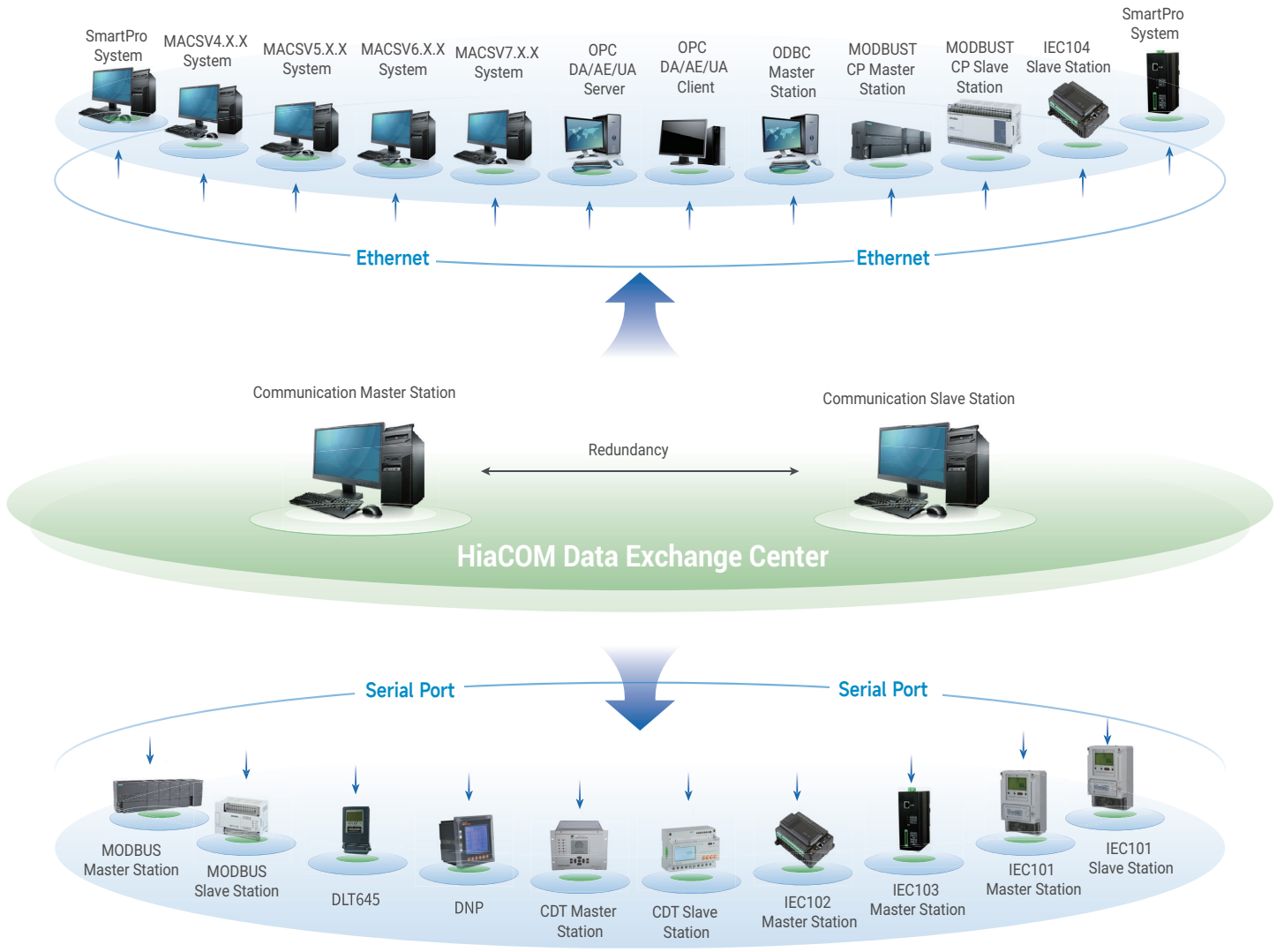
Various types of communication data records provide reliable basis for fault identification and analysis diagnosis.

User-Friendly Installation Interface

The menu layout is clean and intuitive, providing visual guidance throughout the installation process. It also offers convenient customization options, enabling users to flexibly select installation paths and components according to their needs.

Product Performance

HiaCOM Supported Communication Protocols

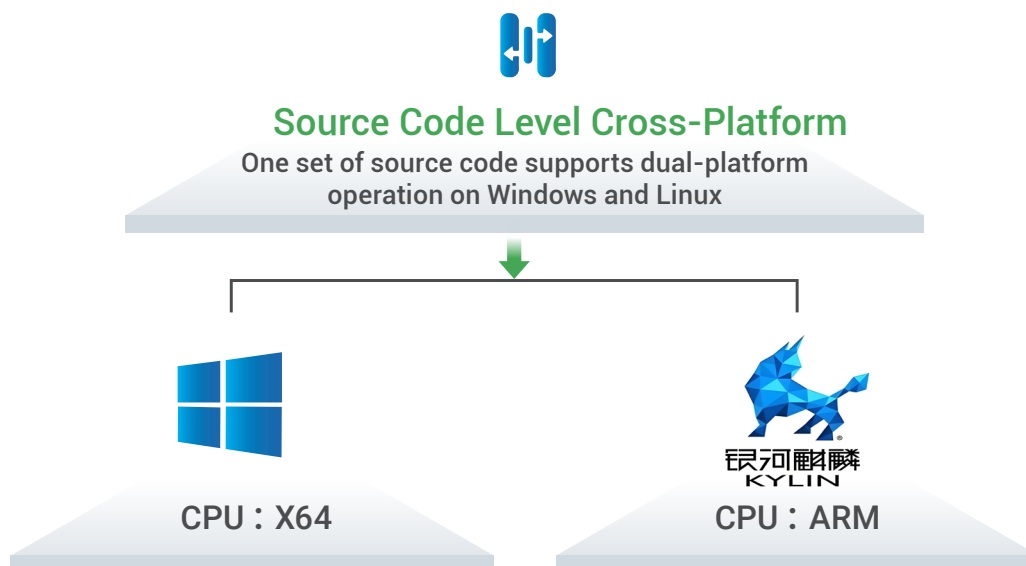


System Scale

Item	Description
Number of channels	Maximum 256
Number of devices	The number of devices supported by each driver varies. For channels with serial port communication media, one channel supports 31 devices.
Number of tags	The total number of tags supported by the software is 60,000; the number of tags under a single device is unlimited.

Supported Operating Systems

HiaCOM Cross-Platform Version: Supports Windows and Yinhe Kylin Dual Systems



Operating System	Description
Windows	Windows 10 Windows 11 Windows Server 2019 Windows Server 2022
Kylin	Kylin Advanced Server Operating System V10 SP3

HiaCOM Traditional Edition: supports the following Windows operating system versions

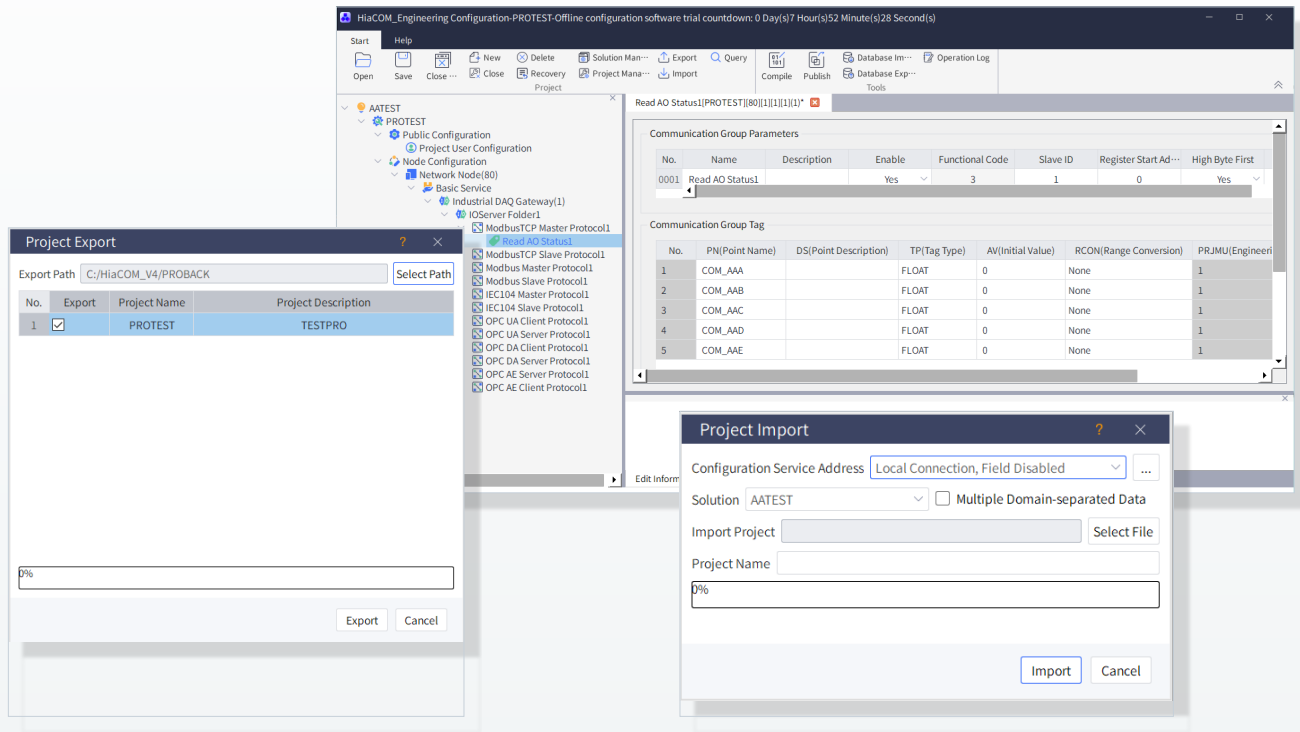
Item	Description
Operating system	Windows XP Chinese / English Edition Windows 7 Professional 32-bit / 64-bit Chinese / English Edition Windows 10 Professional 64-bit Chinese / English Edition Windows Server 2008 Standard 32-bit / 64-bit Chinese / English Edition Windows Server 2016 Standard 64-bit Chinese / English Edition Windows Server 2019 Standard 64-bit Chinese / English Edition

Product Functions

Convenient & Fast Offline Configuration

User-friendly guided configuration with real-time visualization of results.

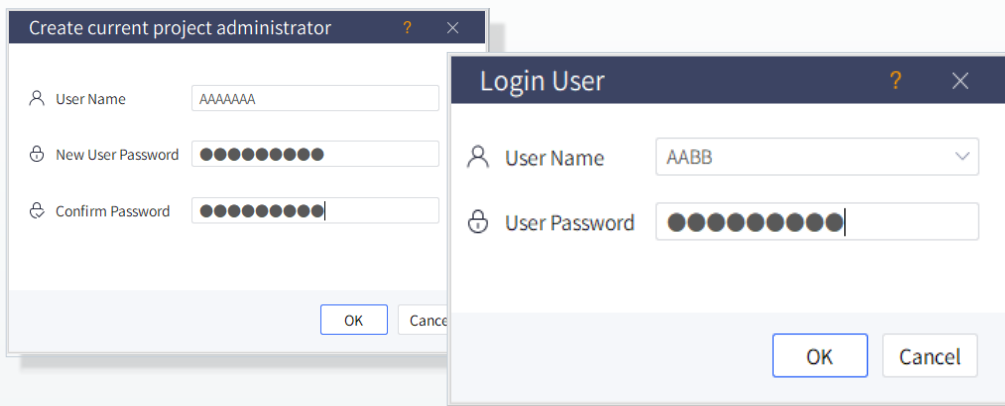
Supporting import and export of engineering and communication data, enabling efficient batch modification at scale.



Security Management for Engineering Files

Encrypted management for offline engineering projects builds security barriers, preventing data leakage and unauthorized operations.

Engineering administrator access rights ensure the safety and stability of the project throughout its entire lifecycle.



Automatic Operation upon Project Deployment

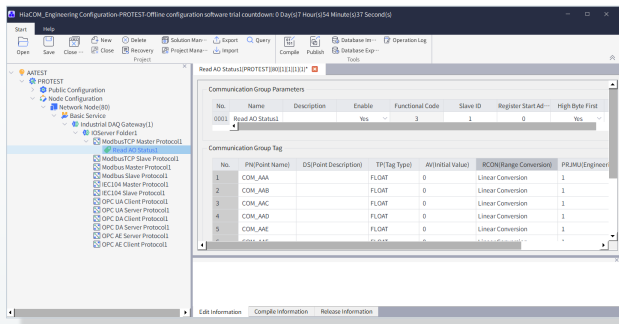
- After deploying the project, the relevant services automatically enter the online running state upon restart, eliminating the need for manual intervention.
- The system automatically loads the default project upon startup, ensuring the continuity of data acquisition services and uninterrupted online operation.

名称	地址	数据类型	转换值	标志状态	输出标志	标志描述	UANodeId
1 AM001	FLOAT	56	OK	Invalid		ns-101s=AM001.In_Channel0	
2 COM_AAO	FLOAT	87	OK	Invalid		ns-101s=COM_AAO.In_Channel0	
3 COM_AAP	FLOAT	21	OK	Invalid		ns-101s=COM_AAP.In_Channel0	
4 COM_AAQ	FLOAT	26	OK	Invalid		ns-101s=COM_AAQ.In_Channel0	
5 COM_AAR	FLOAT	68	OK	Invalid		ns-101s=COM_AAR.In_Channel0	
6 COM_AAS	FLOAT	96	OK	Invalid		ns-101s=COM_AAS.In_Channel0	
7 COM_AAT	FLOAT	39	OK	Invalid		ns-101s=COM_AAT.In_Channel0	
8 COM_AAU	FLOAT	22	OK	Invalid		ns-101s=COM_AAU.In_Channel0	
9 COM_AAV	FLOAT	65	OK	Invalid		ns-101s=COM_AAV.In_Channel0	

信息

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1 IMPORT_INFO[2025-06-21 12:25:08.42] [epModbusPrt:cpp4416] [CepModbusPrt:SendDelay SetTimer Success, TimerID = 31]
2 IMPORT_INFO[2025-06-21 12:25:08.42] [epModbusPrt:cpp4402] [CepModbusPrt:ProcessRecvPacket finished, Start SendDelay Timer, Delay = 100]
3 INFO[2025-06-21 12:25:08.42] [epModbusPrt:cpp2094] [CepModbusPrt:ProcessRecvPacket Kill Timer, id:30, Rec:1]
4 IMPORT_INFO[2025-06-21 12:25:08.42] [epModbusPrt:cpp2034] [m_SumItemSuccess = 1628, m_SumSendSuccess = 1646]
5 INFO[2025-06-21 12:25:08.42] [epModbusPrt:cpp1867] [CepModbusPrt:ExtractPacket Get a complete frame: RCV: 06 60 00 00 00 28 01 03 20]
6 INFO[2025-06-21 12:25:08.42] [epModbusPrt:cpp4288] [CepModbusPrt:RcDataProc: Receive data Len=9]
    
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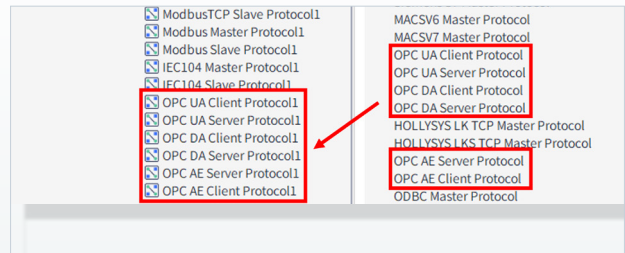


Lightweight Scaling Conversion

Communication data supports linear scaling conversion, improving system compatibility and optimizing engineering applications.

Supporting All Types of OPC Services

- OPC DA Data Service, OPC DA Client
- OPC AE Alarm & Log Service, OPC AE Client
- OPC UA Data Service, OPC UA Client



No.	PIN/Point	DS/Pol	TP(Tag Type)	AV(Initial Value)
1	AM001		FLOAT	81
2	AM002		FLOAT	37
3	AM003		FLOAT	46
4	AM004		FLOAT	36
5	AM005		FLOAT	15

No.	PIN/Point	DS/Pol	TP(Tag Type)	AV(Initial Value)
1	AM001		FLOAT	1
2	AM002		FLOAT	58
3	AM003		FLOAT	67
4	AM004		FLOAT	20
5	AM005		FLOAT	36

Simple & Clear Data Exchange between Protocols

The same data tag group can serve as the data source for multiple protocols. Data can be associated simply by matching tag names, eliminating the step of value assignment configuration.

Supporting Dual-Machine Dual-Network Redundant Deployment

Dual-server, dual-network redundant communication: To prevent unexpected on-site communication interruptions, the system supports dual-server operation. Both primary and standby servers output data simultaneously, and clients are configured with dual server IPs. If the primary server fails, the standby takes over and continues output independently; if the standby fails, the primary continues operating independently.



Application Scenarios

The HiaCOM Universal Communication Software supports common industrial communication protocols and has been widely applied in industries such as power, chemical, petrochemical, metallurgical, and building materials, with a total of **20,000+** application sites.

Unidirectional Data Upload

Supporting simultaneous data collection from multiple protocols; Enabling external data transmission via HiaCOM Communication Software using a unified data source; Supporting real-time bidirectional data forwarding across protocols.

Bidirectional Data Communication

Collecting data from third-party devices, enabling batch input data into DCS, and sending commands via the DCS interface to return data to third-party devices

Independent Communication Data Acquisition Products

Uploading various types of field data to general platforms in intelligent factories



Key Accounts

 We create chemistry				
				
				
				
				

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