GUIVIEW

Make it easy

Gui.Bu!lder

Designing The Future Of Industrial Control

Gui Builder SCADA software is designed to provide comprehensive, reliable, and scalable solutions for industrial automation and control. With its powerful features and intuitive interface, Gui Builder helps users enhance efficiency, improve decision-making, and ensure smooth operation of their systems.

PLC
Connect Many PLCs Through Ready to Use Driver

IoT Gateway
Easily Connect With Cloud Services like Azure, AWS other

Reporting
Generate Customize Report

Recipe
Easy Process With Recipe Features

PC, Mobile
Visualize on Multiple Devices

Gui Builder Server

Controller
Connect many Controller through ready to use driver

Data Logging
Store Tag Value to MS Access, SQL, SQLite

Data Source
Access historical data from databases.

Alarming
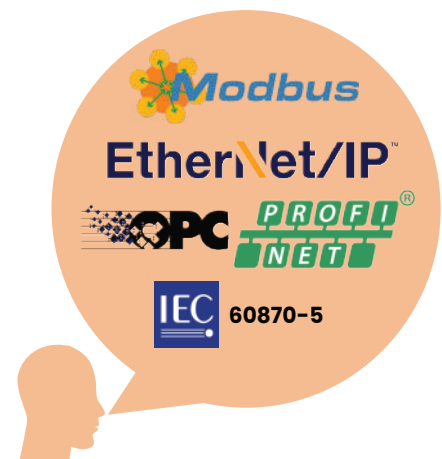Alarm Supervision & Alerts

OPC UA
Connect With OPC UA server, client Devices

Application Features

Connectivity Drivers

Gui Builder SCADA software offers extensive connectivity with over 80 device drivers, ensuring seamless integration with a wide range of industrial equipment. Key support protocols includes Modbus, Ethernet/IP, S7 Profinet, IEC 60870, Melsec, Fins, OPC UA, OPC DA protocols.

Modbus

EtherNet/IP

OPC

PROFINET
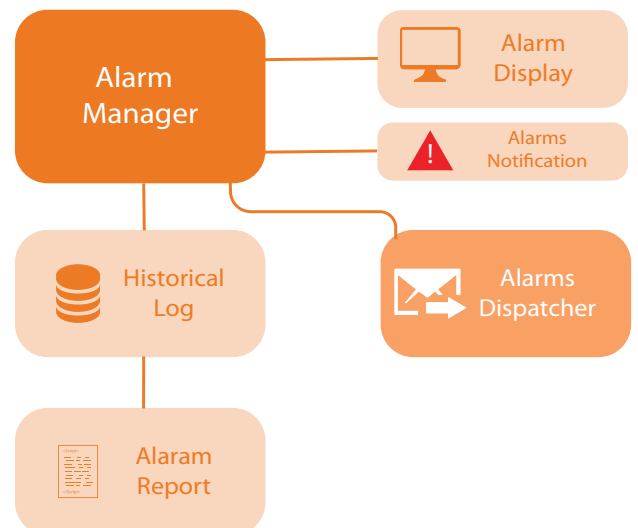
IEC 60870-5

guiview.com

Report Generation

Empower your decision-making process with robust reporting capabilities. Gui Builder SCADA software provides a variety of reporting functions including:

- Data Logger Reports: Track and analyze historical data efficiently.
- larm Reports: Gain insights into system alarms, helping to enhance safety and operational efficiency.
- Chart Reports: Visualize data trends over time for better understanding and analysis.
- Custom Live Reporting: Create and customize live reporting windows to monitor real-time data.
- Scheduled Mail Option: Automate report distribution through scheduled email dispatch.

Alarm Supervision & Alerts

Enhance your system's reliability and responsiveness with advanced alarm management features:
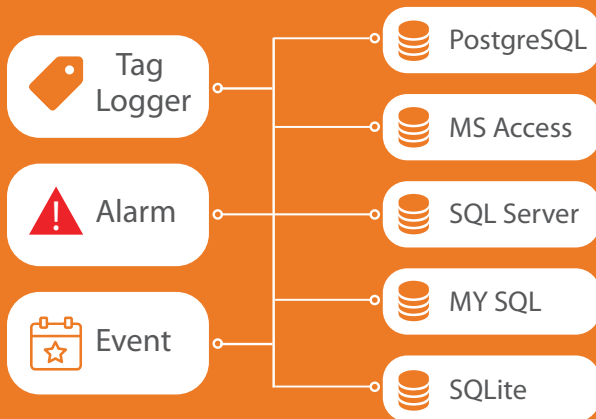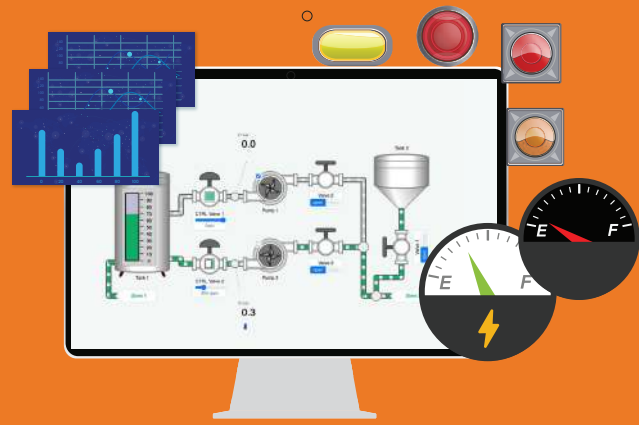
- Alarm Monitoring: Continuous monitoring of system conditions with immediate notifications for any deviations.
- Notification Systems: Notification options including Email alerts to ensure timely response to critical alarms.
- Customizable Alarm Thresholds: Set specific parameters for different alarms to tailor the system to your operational needs.

Animation Controls

Bring your SCADA system to life with a suite of ready-to-use animation controls. Available animations and objects include:

● Animations: Moving, scaling, rotating, and filling water height to represent dynamic processes.

● Objects: Charts, gauges, scales, tables, buttons, displays, and more for detailed and interactive visualizations.

Tag Logger
Alarm
Event

PostgreSQL
MS Access
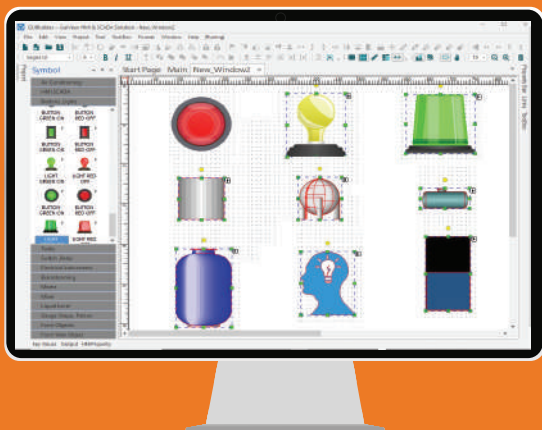SQL Server
MY SQL
SQLite

Data Recording

Ensure comprehensive data capture with versatile data logging capabilities. Gui Builder supports logging data to multiple databases with options to:

● Capture Tag Data: Capture data when specific conditions are met.

● Time-Based Logging: Log data at particular time intervals.

● Data Limit Configuration: Configure limits on days or row count for data retention.

● Database Support: Store data in various databases, including MS Access, SQLite, and SQL-related databases.
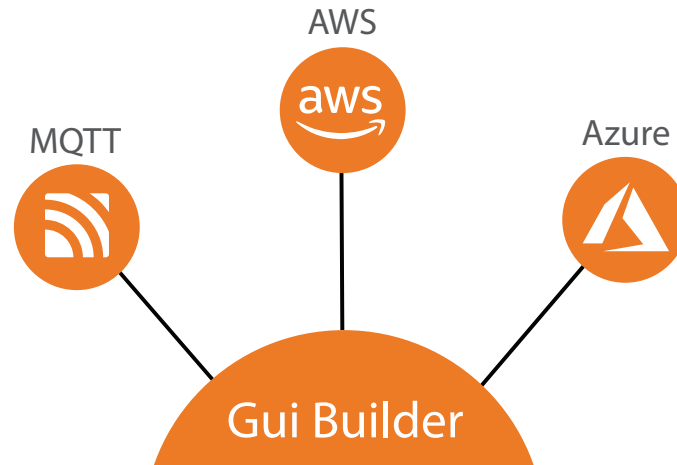
Process Recipe Management

Streamline your production processes with efficient recipe management:

● Recipe Creation: Easily create and manage recipes for various production processes.

● Execution and Monitoring: Execute recipes and monitor their performance in real-time for enhanced productivity and quality control.

Symbol Library

Leverage a rich library of pre-designed symbols to expedite system design and visualization. Our Symbol Factory provides a wide array of symbols suitable for various industrial applications, ensuring clear and effective communication of system states and processes.
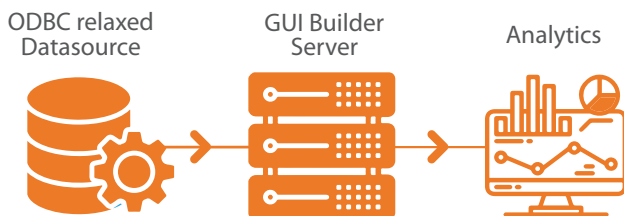
AWS

MQTT

Azure

Gui Builder

IoT Integration Modules

Expand your system's capabilities with our IoT partner modules:

- Real-Time Tag Publishing: Publish real-time tag values to cloud servers such as AWS, Azure, and MQTT through the IoT gateway module.
- Remote Control: Control tags from cloud servers using subscribe topics, allowing for cloud server to read and monitoring of your industrial processes

Gui Builder SCADA software is designed to provide comprehensive, reliable, and scalable solutions to meet the diverse needs of industrial automation and control. With these powerful features, you can enhance efficiency, improve decision-making, and ensure the smooth operation of your systems.

ODBC relaxed Datasource
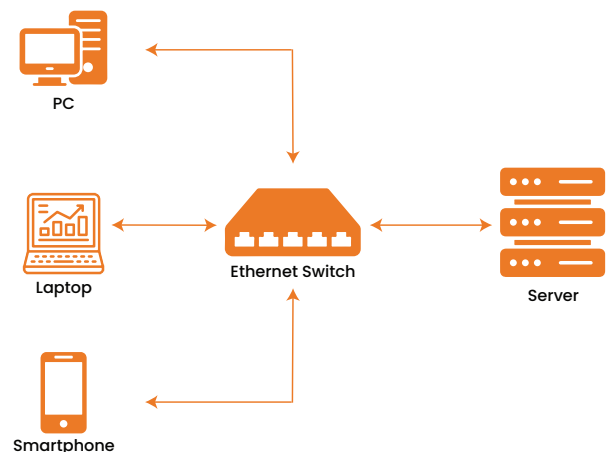
GUI Builder Server

Analytics

Data Source Connectivity

Achieve seamless integration with various data sources:

- ODBC Database Connectivity: Connect to ODBC-compliant databases effortlessly.
- Query Tags: Generate default and custom query tags for tailored data retrieval and manipulation.

Client-Server Model

Benefit from robust and scalable system architecture with our client-server model:

- Centralized Control: Centralized servercontrols with distributed client access.
- Scalability: Easily scale your system by adding more clients without affectingperformance.
- Security: Enhanced security features to protect sensitive data and ensure secure communication between clients and servers.
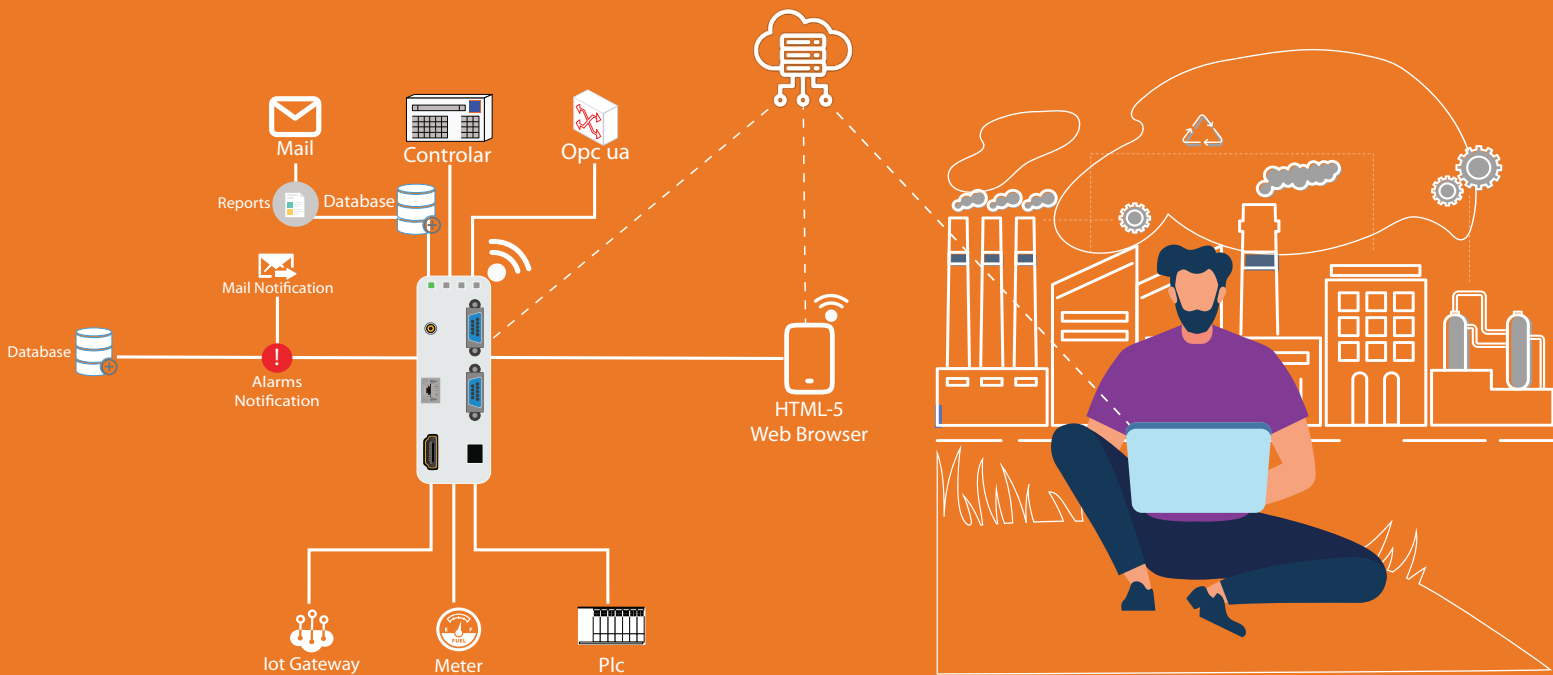

PC

Laptop

Ethernet Switch

Server

Smartphone

Cloud.View

Connecting Industry Through Cloud For Smarter Operations

The Cloud View IIoT Gateway is a versatile and robust solution designed to enhance your industrial automation infrastructure. Operating in two distinct modes, pass-through tunnel mode and web SCADA mode, this gateway offers unmatched flexibility and functionality.

Cloud View Server

Mail

Controlar

Opc ua

Reports Database

Mail Notification

Database

Alarms Notification

HTML-5
Web Browser

Iot Gateway

Meter

Plc

CloudView IIoT Gateway

The CloudView IIoT Gateway is a versatile and robust solution designed to enhance your industrial automation infrastructure. Operating in two distinct modes, pass-through tunnel mode and web SCADA mode, this gateway offers unmatched flexibility and functionality.
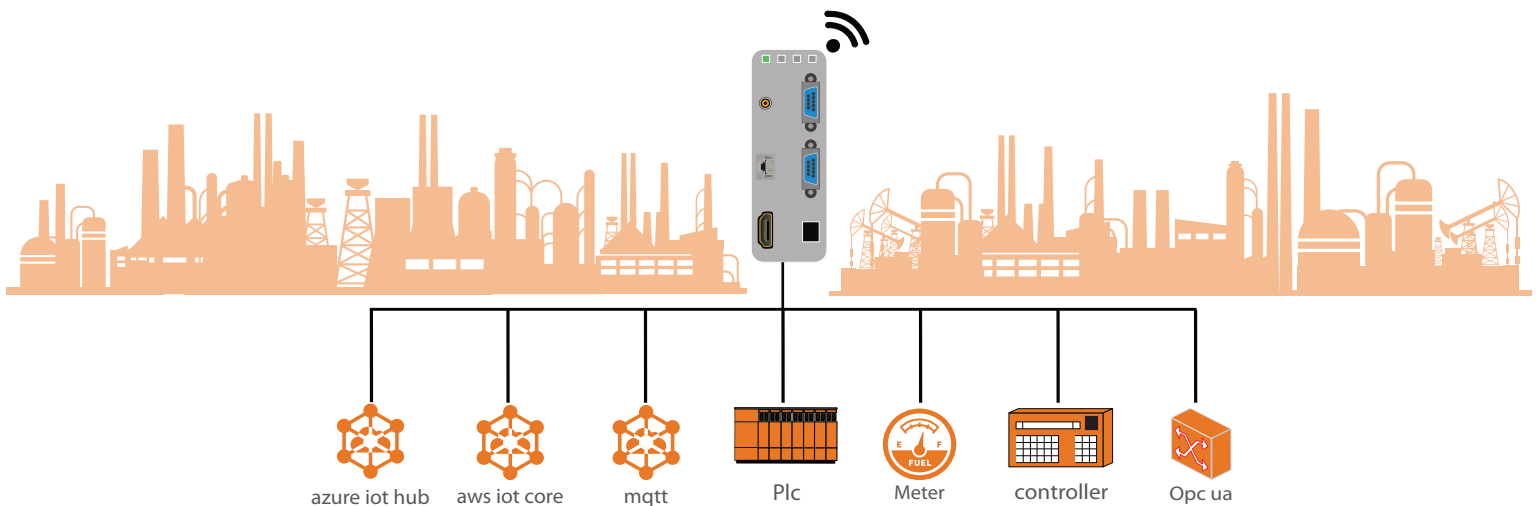
CLOUD.VIEW GATEWAY

Hardware Specification

CPU		QUAD CORE CORTEX-A55 1.9 GHz
Storage	Flash	16GB EMMC
	RAM	2GB DDR3
	SD Card	UP To 32GB
Power	Power Supply	24V DC
	Temperature	-20°C to +65°C
INTERFACE	USB	1-USB HOST, 1-USB
	Serial Ports	1-RS232, 2-RS485
	Ethernet	1-Port (GbE) with RJ45 Connector
	HDMI	HDMI Display Port
	WIFI	2.4GHz 802.11 a/b/g/n/ac
	I/O	Digital Input:2 , Digital Output:2
Dimension	Dimension(W*H*D)	127mm * 129mm * 50 mm
	Mounting	Wall/Ceiling Mount, Din Rail Mount
Operating Systems		UBUNTU LINUX 16.04
Network Communication		MQTT / HTTP / HTTPS, TCP/IP, UDP
Security		SSL/TLS Layer, API Encryption and Many More Security Concern

Application Features

azure iot hub   aws iot core   mqtt   Plc   Meter   controller   Opc ua

Connectivity Drivers

Supporting over 80 device drivers, the CloudView IIoT Gateway ensures smooth integration with numerous industrial devices. Key protocols supported include:

- Modbus (RTU, TCP)
- OPC UA
- Ethernet/IP
- Siemens S7
- MQTT
- AWS
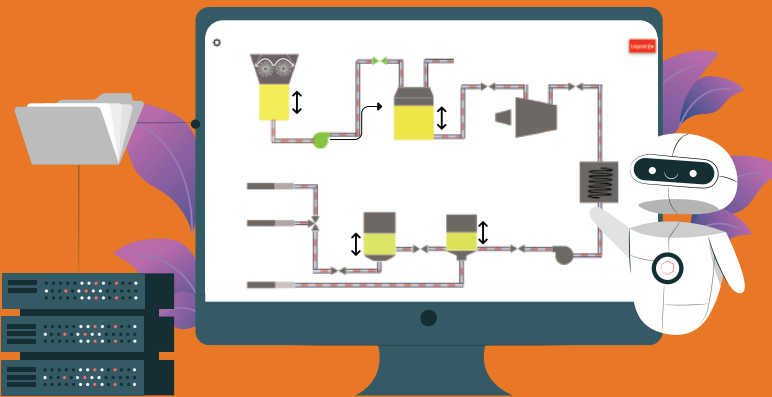- Azure

Application
Remote Access Tunnel

As a cloud-based operation control system, Cloud.View Gateway has many features similar to a GUI Builder application, an industrial automation software. The tunnel mode of an IIoT Gateway application can access any user-side device through a Windows-based application. It can access any connected serial or TCP devices from anywhere. For the remote access of serial devices, our Windows-based application can generate a virtual serial port and give it to the end application. In a way, users can access a serial device from anywhere. Similarly, for TCP (Transmission Control Protocol) device, our application creates a TCP server for the local host and gives the IP of a local host to the end application.

Animation Capabilities

Enhance your IIoT application interface with ready-to-use animation controls, including:

- Moving: Animate objects to represent real-time processes.
- Scaling: Adjust object size dynamically based on data values.
- Rotating: Rotate objects to reflect changes in operational status.
- Fill Water Height: Visualize tank levels or other variable capacities
- Objects Library: Access a wide variety of charts, gauges, scales, tables, buttons, and displays to build intuitive interfaces.

Data Logging

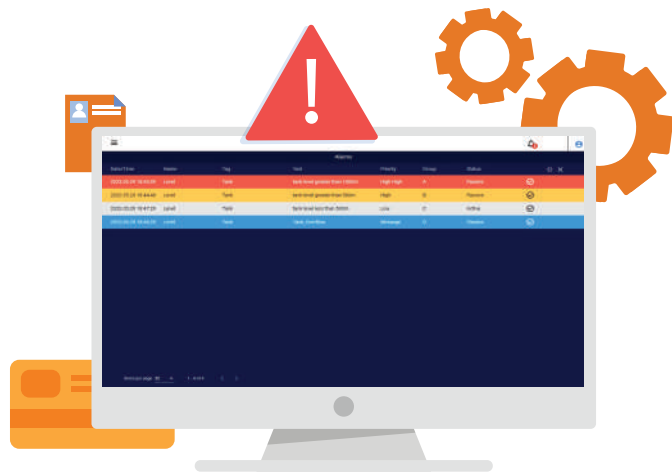Capture and store tag data efficiently:

- Configurable Intervals: Log data at user-defined intervals to capture critical information
- Internal Database: Store data locally with configurable retention periods.
- External SQL Databases: Support for SQL-related databases, enabling long-term storage and complex queries.

Reporting Features

CloudView gateway features comprehensive reporting capabilities, including:

- **Tag Table Reports:** Detailed reports of tag data for analysis and troubleshooting.
- **Customizable Live Reporting:** Create and customize live reporting windows to monitor real-time data.
- **Scheduled Email Reports:** Automatically generate and send reports via email at predefined intervals.

Alarm Management & Notification

Efficiently manage alarms and notifications with features such as:

- **Real-time Alarm Monitoring:** Instantaneous detection and reporting of alarm conditions.
- **Custom Notification Settings:** Notification options including Email alerts to ensure timely response to critical alarms.

Web Browser Access

Access CloudView application remotely via any web browser:

- **Cross-platform Compatibility:** Compatible with major web browsers on various devices.
- **Secure Access:** Ensure secure data transmission and user authentication for remote access.
- **Real-time Monitoring and Control:** Perform real-time monitoring and control from any location with internet access.
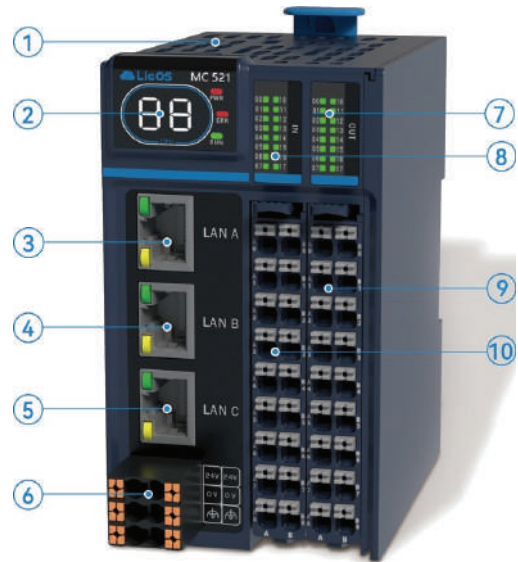
PROGRAMMABLE AUTOMATION CONTROLLER

MC500 SERIES

Small PAC

PRODUCT
INTRODUCTION

MC500 is a compact motion control-ler that supports both bus and pulse axes. In a 16-axis or less or bus+pulse hybrid motion control scenario, MC500 provides a stable, reliable and cost-ef- fective hybrid motion control solution.

The body comes with multi ple IO channels, including digital input chan-nels and digital outp ut channels.

The body integrates standard RJ45 Ethernet port, supporting EtherCAT, EtherNet/IP, Profinet IO, Modbus TCP, CANopen and other industrial field buses, as well as OPC UA, MQTT and other Internet of Things communication proto cols; the body integrates serial bus interfaces, supporting RS485, CAN and other industrial serial buses to meet the design of indu strial field interconnection and int eroperability. The integrated seri al bus interface supports RS485, CAN and other industrial serial buses to meet the design requir ements of indus- trial field interconnection

① LAN A Network Interface
② LAN C Network Interface
③ CPU IO input indication
④ CPU output IO terminal
⑤ CPU display panel (digital tube, PWR, ERR, RUN)
⑥ MFK Function Keys / Type C Interface
⑦ LAN B Network Interface
⑧ Power Supply Interface
⑨ CPU body IQ output indication
⑩ CPU body input IO terminal

EtherCAT   Modbus /TCP   OPC UA   EtherNet/IP

Modbus /RTU   CANopen   PROFINET   MQTT

Product Characteristics

• Support six languages (LD, FBD, IL, ST, SFC, CFC) based on IEC61131-3 programming standard;

• Equipped with self-developed standard backplane bus, the main frame supports up to 16 10 extensions and up to 127 remote rack extensions;

• 4 pulse axes, 16 EtherCAT axes, 4 pulse axes + 12 EtherCAT axes multiple configurations are available to support 2ms cycle 8—axis synchronization;

• High—speed counting channel counts at a maximum frequency of up to 800Kpps (two—phase 4x freq.)/200kHz (single input), high—speed pulse output channel outputs at a maximum frequency of up to 200KHz;

• Adopting DC distributed clock synchronization to realize synchronous control of axes, supporting synchronous position mode, synchronous speed mode, synchronous torque mode and return—to—zero mode;

• Adopting DC distributed clock synchronization to realize synchronous control of axes, supporting synchronous position mode, synchronous speed mode, synchronous torque mode and return—to—zero mode;

Unlock the Power of Industrial Automation with GUIView!

Elevate your industrial operations with GUIView, the all-in-one solution tailored for your automation needs. Our comprehensive suite of services includes:

Cloud Server Services

- Seamless integration with robust cloud platforms
- Real-time data access and analytics
- Scalable and secure infrastructure for optimal performance

Custom HMI Solutions

- Intuitive and user-friendly human-machine interfaces
- Personalized designs to fit your specific requirements
- Enhanced operator efficiency and reduced downtime

Machine Vision Software Solutions

- Advanced image processing and analysis
- Precision inspection and quality control
- Increased accuracy and productivity in manufacturing processes

Why Choose GUIView?

- **Customization**: Solutions tailored to meet your unique industrial challenges.
- **Innovation**: Cutting-edge technology to drive operational excellence.
- **Support**: Dedicated team providing exceptional service and expertise.

Transform Your Industrial Automation with GUIView! Visit us at guiview.com or contact us at sales@guiview.com to learn more and schedule a demo today.

GUIVIEW
Make it easy