MaVIEW





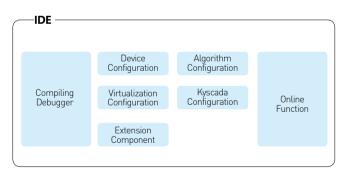
- Ease of use. Supports drag & drop graphical programming, support programming language of IEC61131-3.
- Programming Environment. Supports C++ programming and Matlab/
- Supports multiple OS such as Windows and Linux.
- Unified programming platform for Kyland Industrial Server, Kyland PLC Controller and Kyland KySCADA configuration.

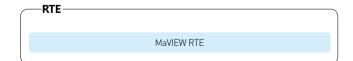
Overview of Product

As an unified platform for automation engineers to do the system configuration of Kyland Industrial Server or Kyland PLC controller, Management of Virtualized Industrial Engineering Workbench (MaVIEW) supports the development environment IDE and RTE conforming to IEC61131-3. In addition, the development environment IDE also includes core components such as device configuration, virtualization configuration of industrial servers, algorithm configuration, KySCADA configuration, and online of compiling, downloading and debugging.



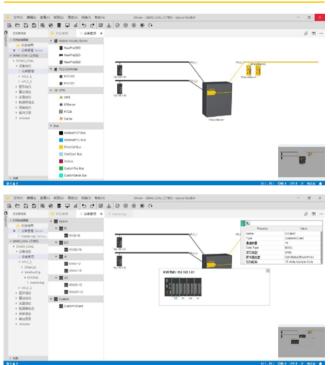
Product Architecture





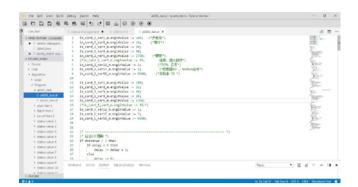
>> MaVIEW IDE Product Specification

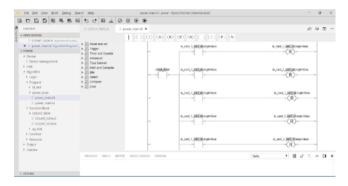
Device Configuration

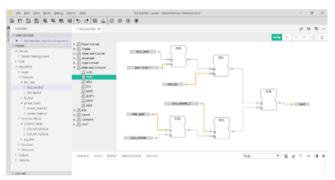


- Adds device via graphical drag-and-drop, including Kyland Industrial Server, Kyland PLC controller, KySCADA equipment, field bus and remote IO
- Provides thumbnail window and support fast positioning
- · Redundancy configuration for industrial server
- Fieldbus includes Modbus TCP, Modbus RTU, EtherCAT, CANopen, AUTBUS and customized TCP and serial ports
- Supports configuring bus associated controllers, physical ports and IP
- Supports configuring and adding Kyland IO or third-party IO devices to automatically generate IO variables

Algorithm configuration







Algorithm configuration

Supports IEC61131-3 ST, LD, FBD programming language Each virtual PLC supports up to 10 task instances with different priority levels and cycles

Supports importing and exporting of variable declaration Importing and exporting of algorithm program file

Supports global variable management and IO variable management Supports reference of function block structure

Association function of variable and statement

Definition of variable holding on power-off

Provides global search function of variable, supports directly jumping to program and SCADA

Support C++

Provides an independent MaVIEW Lib Developer tool for creating C++

Supports importing C++ source files

Supports importing C++ files generated by Matlab/Simulink

Release C++ program as Function Block module library and import to MaVIEW

Virtualization configuration



Physical core configuration of virtual PLCs

Graphically creates virtual PLCs and assigns interface resources and redundancy settings

Supports configuration of virtual Ethernet interface, allocates up to 7 PLCs to each physical Ethernet interface

Supports importing, exporting, uploading and downloading of virtualization configuration

Supports operation control and condition monitoring of virtual PLCs

KySCADA Configuration



Function of setting HMI startup display Import and management of displaytemplate Supports importing and exporting of element library Group management of element library Setting of element dynamic feature and event Automatically collection of PLC global variables

Compiling Debugger



Compiling

Supports compiling of full project Supports selected controller compiling and selected HMI compling configuration correctness check and error message display and location

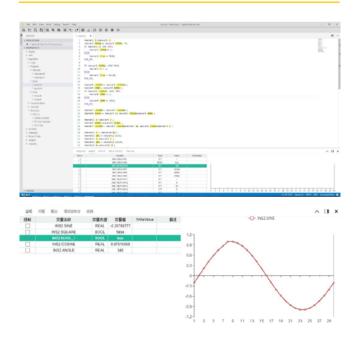
Download

Supports downloading of full project Supports selected algorithm downloading to selected target controller ,and selected display downloading to selected HMI station.

Debugging

Supports debugging of ST, LD, FBD with breakpoint Real-time display of variable values in algorithm

Online



Supports display of variable value in real-time curve and list Supports online writing or forcing values to variables Supports ST, LD, FBD variable values online display

System Requirements

1.Software configuration requirements

os	Operating System of Desktop: Windows 7 x64 SP1, Windows 10 x64 or 64-bit Linux operating systems such as Fedora 28, Ubuntu 16.04, etc. Supports installation of desktop systems that meet the above list into Intewell.
Environment	.Net Framework 4.7.

2. Minimum hardware configuration requirements

Configuration item	Minimum configuration requirements
Processor	Intel Core i3
RAM	4GB
Hard disk	2GB free space
Monitor	Resolution is greater than or equal to 1366*768

MaVIEW RTE Product Specifications

RTE function

Executes application based on IEC 61131-3;

Executes operations on I/O;

Communicates with external device;

Performs communication between PLCs:

Communicates with MaVIEW IDE;

Diagnostics of PLC controllers and industrial servers;

Executes synchronization and verification of PLC redundancy;

System Requirements

1.Software configuration requirements

os	Intewell-C, RT Linux

2. Minimum hardware configuration requirements

Configuration item	Minimum configuration requirements
Processor	Main frequency 300MHz
RAM	64MB
Hard disk	10MB free space

Ordering Information

Product Model	Description
MaVIEW IDE	Kyland Industrial Control Programming Platform IDE
MaVIEW RTE	Kyland Industrial Control Programming Platform RTE