

# MaVIEW

## Kyland Industrial Control Programming Platform

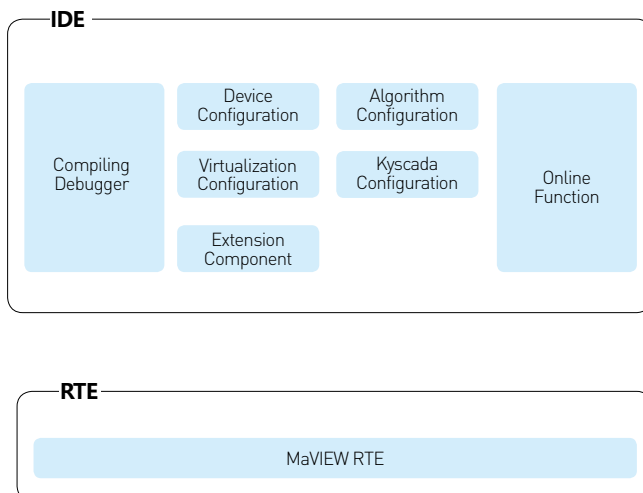


- Ease of use. Supports drag & drop graphical programming, support programming language of IEC61131-3.
- Programming Environment. Supports C++ programming and Matlab/Simulink.
- Supports multiple OS such as Windows and Linux.
- Unified programming platform for Kyland Industrial Server, Kyland PLC Controller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

### » Overview of Product

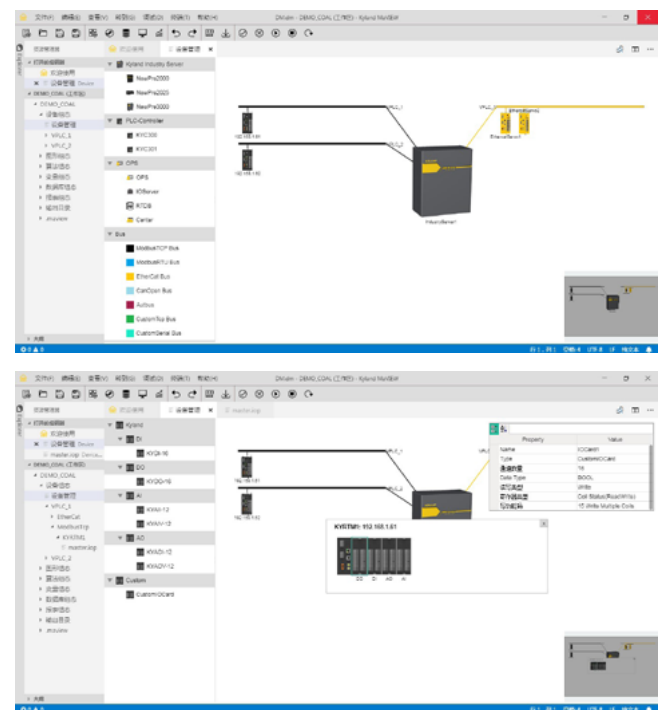
As an unified platform for automation engineers to do the system configuration of Kyland Industrial Server or Kyland PLC controller, Management of Virtualized Industrial Engineering Workbench (MaVIEW) supports the development environment IDE and RTE conforming to IEC61131-3. In addition, the development 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

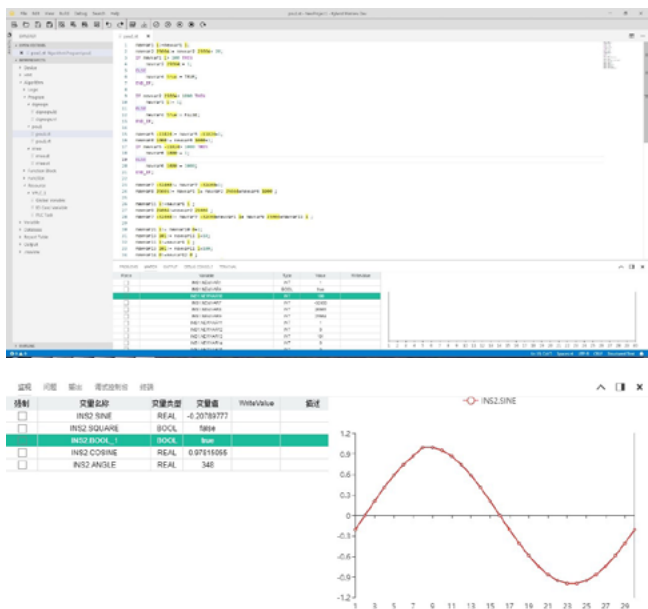


## Compiling Debugger



- Compiling**  
 Supports compiling of full project  
 Supports selected controller compiling and selected HMI compiling  
 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

<b>OS</b>	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.
<b>Environment</b>	.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

<b>OS</b>	Intewell-C, RT Linux
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### 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