

Supervisory Control + Real time Control in 1 industrial PC

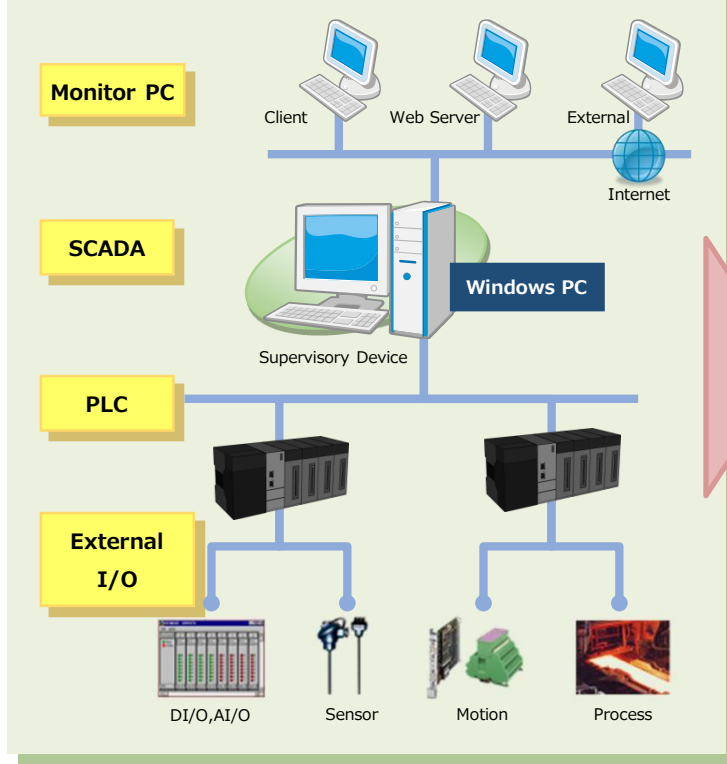
RT-SCADA provides functions of SCADA(Supervisory Control And Data Acquisition) and PLC in 1 PC. It can achieve system supervision function and process control function at the same time, and you can also achieve I/O control and high-precision scan time.

■ Difference from conventional SCADA

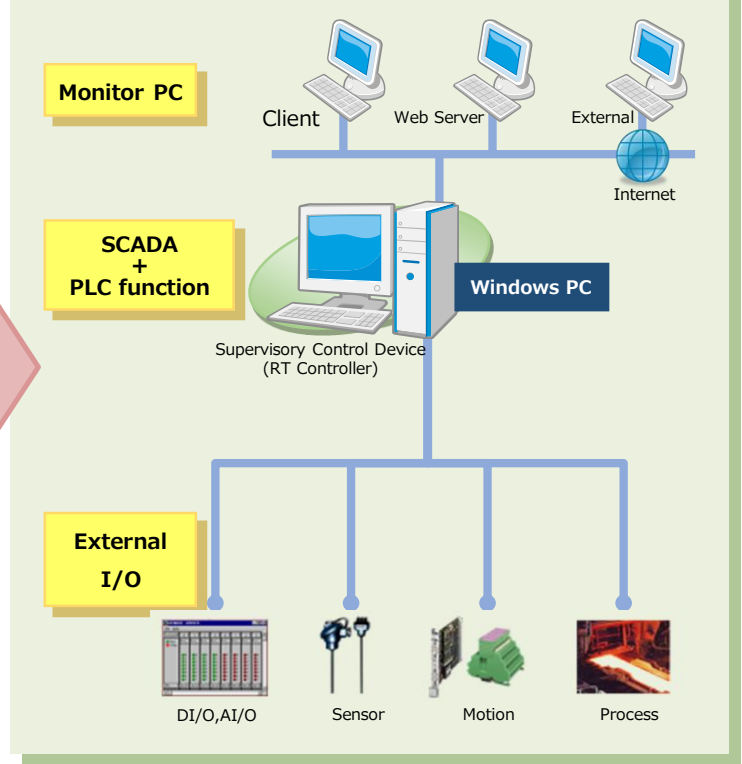
There are many cases that General SCADA is composed with distributed control, in this case, dedicated controllers such as PLC have charge of hardware control parts.

On the contrary, RT-SCADA implements PLC functions as standard, so in 1 Windows PC you can achieve both SCADA processes and PLC processes which needs real time performance.

● Composition of General SCADA



● Composition of RT-SCADA



■ Feature of RT-SCADA

◆ Low Cost & Small Space

- Only 1 PC hardware is needed
- Maximum 16 tasks of PLC functions are available

◆ High-Speed Communication between SCADA and PLC

- Communication between SCADA and PLC functions can be achieved via shared memory
- Fast and big data exchange is more available than among physical devices.

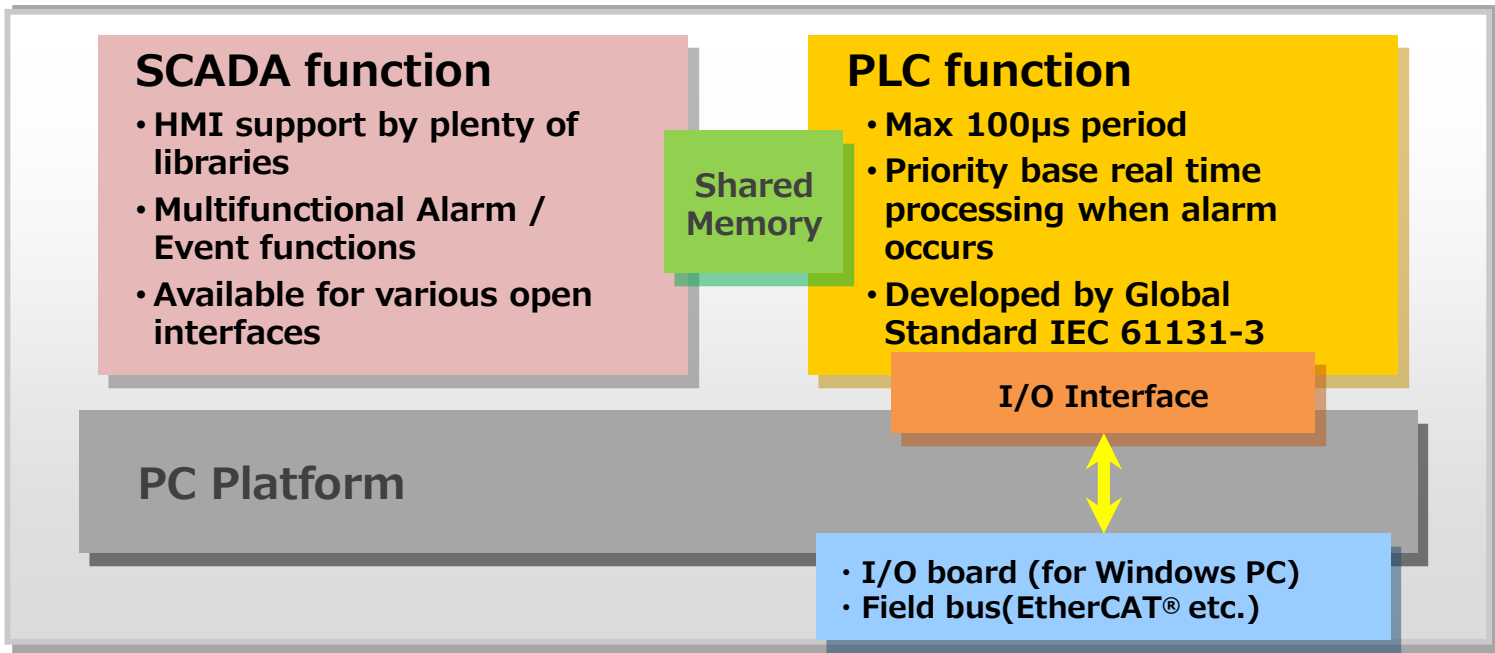
◆ Improvement of Development Efficiency & Maintenance

- Based on global standard IEC 61131-3 (5 languages including ladder)
- On 1 PC, development & debug are available for both SCADA and PLC
- Commercially hardware is available

◆ Real time control on Windows PC

- Since it uses real time OS "INtime®" which has had lots of track records as a real time engine, so you can achieve to a maximum of 100µs precision.
- Available for I/O boards (PCI boards etc.) for Windows, various kinds of field bus (EtherCAT®, CC-Link etc.)

System Composition of RT-SCADA



Main Specification

PLC function	Control Way	Stored Program, Iterative Operation
	Constant Scan	More than 100μs(0.1ms)
	I/O Control Way	Refresh Method
	Program Language	IL, ST, LD, FBD, SFC (Based on Global Standard specification IEC61131-3)
	Number of Instructions	<ul style="list-style-type: none"> ● IEC61131-3 commands 216 kinds(four-rules/bit operation, bit, timer, counter, Rising edge detect etc.) ● Extended command 35 kinds(file operation, PLC operation, array conversion etc.)
	Maximum Tasks	16 tasks
SCADA function	Screen Update Period	50~3000[ms]
	I/O Points	64/128/256/500/1000/1500/3000/Indefinite
	Standard parts	42 kinds(Registered Libraries 1045) ※ActiveX control (OCX) : available
	Support Device	More than 3000 kinds
	Support Language	Japanese, English, Chinese, Korean
	Security	Limit of project edit / execute, Limit of access to some specific pages, Limit of executable time per user, Setting of Security level etc.
	Alarm	Popup Notification, Collect & View of statistical data, Save & View logs, Mail Notification etc.
	Others	DB, WEB etc.

Operating Environment

OS	Windows 7(32bit/64bit)、Windows 8(32bit/64bit)
CPU	More than Intel x86/x64 Multi Core CPU 2GHz
Memory	More than 4 GB
Hard disk	More that 20 GB of free space
Image Quality	SVGA(800x600) 24bit color
Network card	Intel Pro/100, Intel Pro/100, Realtek1G (※need HPE2)

Product Composition

- RT-SCADA Execution Environment
- RT-SCADA Development Environment
- RT-SCADA Integrate Service

Please feel free to ask our sales staff regarding product details and how to purchase.

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