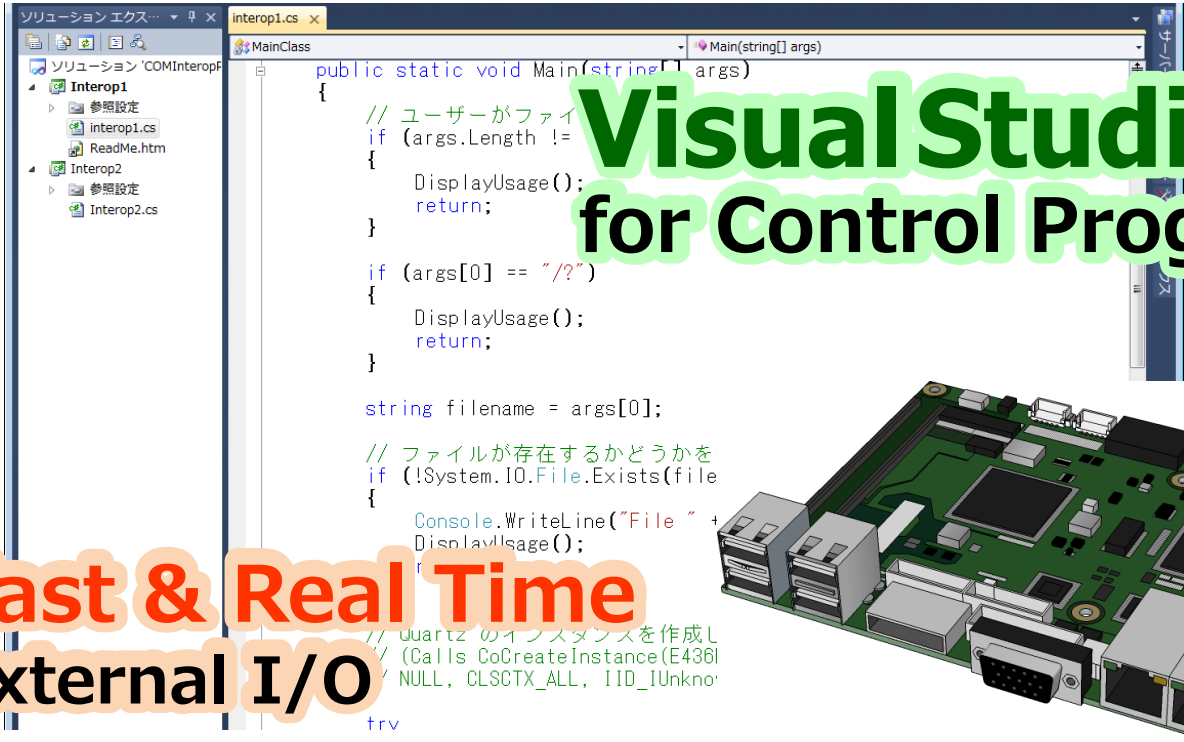


# RT CTRL

# RT-C Language Controller



## Visual Studio C# for Control Program

## Fast & Real Time External I/O

## > WHAT IS RT-C LANGUAGE CONTROLLER?

### High-powered Real time Controller

It is the real time controller which mounts real time kernel on a PC-based platform. It can achieve 100μs period high-speed real time control. Moreover, it can achieve real-time high-speed calculation processing using high-powered CPU with PC. You can also mount Windows OS as a Windows option.



### Simple program development procedure

Using RT-C Language Controller, you don't need complicated steps. All you have to do is that you develop user programs using function blocks (function / function block) on Microsoft Visual Studio C#, then you download the program to the controller using environment setting tool. Some settings such as I/O, control period can be set quite easily.

### Best fit for Embedded Use

Every PC for the controller as its platform is one which has good track records in industrial fields. It excels at not only on environmental durability but also on long-term stable supply. Regarding I/O devices, it can use plentiful I/O interfaces of software PLC "INplc" as it is. (It also has corresponded to expansion boards for PC and field bus like EtherCAT®.)

## Lineup for Controller

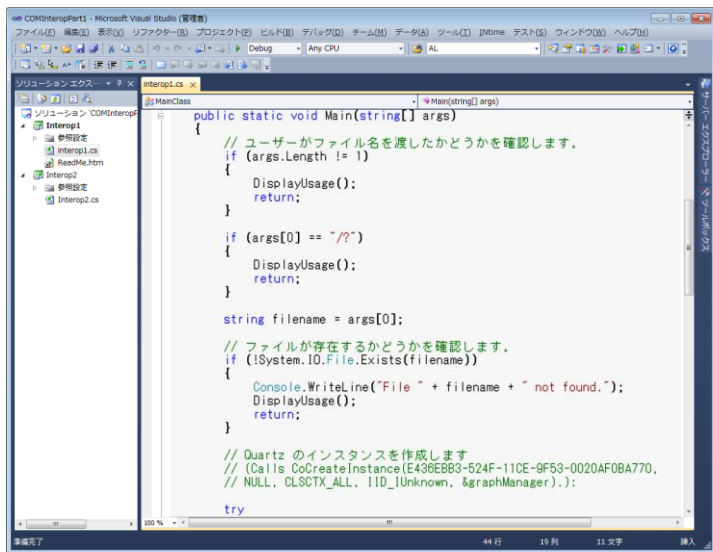
Model	Board Computer	Compact
Aspect		
CPU	Atom N2600 1.60GHz	Core i7 620LE 2.00GHz
Extension	-	PCI 2 slot
Description	For embed board. Standard Implement of serial / LAN ports / display terminal though the size is small.	Small modes without fan. It has 2 PCI slots. Moreover, you can also use internal DI/O ports (DI:12 / DO 12).

※ We can suggest PC other than above mentioned on demand, please ask our sales in detail.

## Program Development

### Program by Visual Studio C#

RT-C Language Controller uses Visual Studio C# in its programming phase. Visual Studio is one of the most popular integrated development environment all over the world. You can create complicated & high-speed operation processing which is difficult to achieve using ladder programs.



### Friendly Environment Setting Tool

You can download your programs by C# to RT-C Language Controller using the environment setting tool "MULTIPROG". MULTIPROG can get & set the control period, debug status, I/O settings quite easily.

It has multilingual support such as English, French, Germany, Japanese, Chinese so that your local staffs can debug.

## Main Feature

Execution Task No.	16 tasks
Control Period	0.1ms / 0.2ms / 0.5ms / 1ms --- 1sec
Number of Task	5 tasks (Option : 16 tasks)
Kinds of Tasks	Cyclic Task (Constant Period) Default Task (Idle Task) Event Task (Interrupt Task) System Task (System Event)
Visual Studio	2008 / 2010 / 2013 / 2015 (More than Professional Edition)
Available Functions	Standard C# / Windows / Other control functions like Start , Stop , Rest...

## Available I/O Device

As I/O devices, we can widely support extended interfaces for PC. You can achieve various I/O embedding to RT-C Language Controller.

No	Kind	Status
1	Digital I/O	Available for products of Japanese big expansion board vendors*1
2	Analog I/O	Available for products of Japanese big expansion board vendors*1
3	Serial Communication	Available for PC standard RS-232. Available for RS-422A/485 boards
4	Control Network	Available for PC standard LAN & expansion LAN cards*2 Available for TCP/UDP, FL-net(OPCN-2)
5	Positioning (Motion Control)	Available for products of Japanese motion vendors*1
6	Fields bus	Available for EtherCAT® Available for CC-Link / CC-Link IE / PROFI NET / PROFI BUS / DeviceNet

\*1 Please ask our sales as for products.

\*2 Available network controllers are as follows.  
Intel Gigabit ethernet controller series, Intel Pro/100  
Realtek Gigabit ethernet controller series , Realtek 100Mbps controller

## Product Composition

No	Name	Descriptions
1	RT-C Language controller	The controller of RT-C Language Controller.
2	Development Tool Installation CD	The CD-ROM to install program development tools. (with Instruction)
3	I/O Device (※Option)	The I/O devices to embed to RT-C Language Controller

Notice) Visual Studio 2010 C# is needed for program development.  
This product doesn't have Visual Studio. Please purchase it additionally.

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

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**Micronet** [http://www.mnc.co.jp/index\\_E.htm](http://www.mnc.co.jp/index_E.htm)

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※ The specifications in this catalog might change without any previous notice.