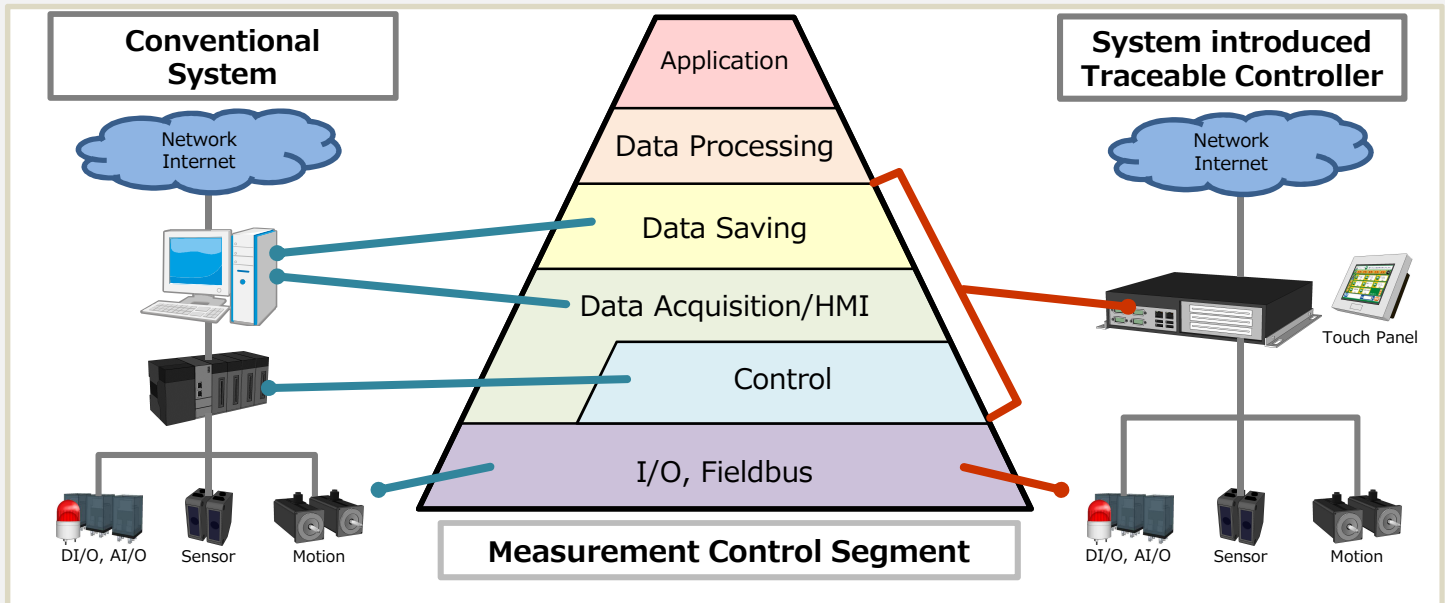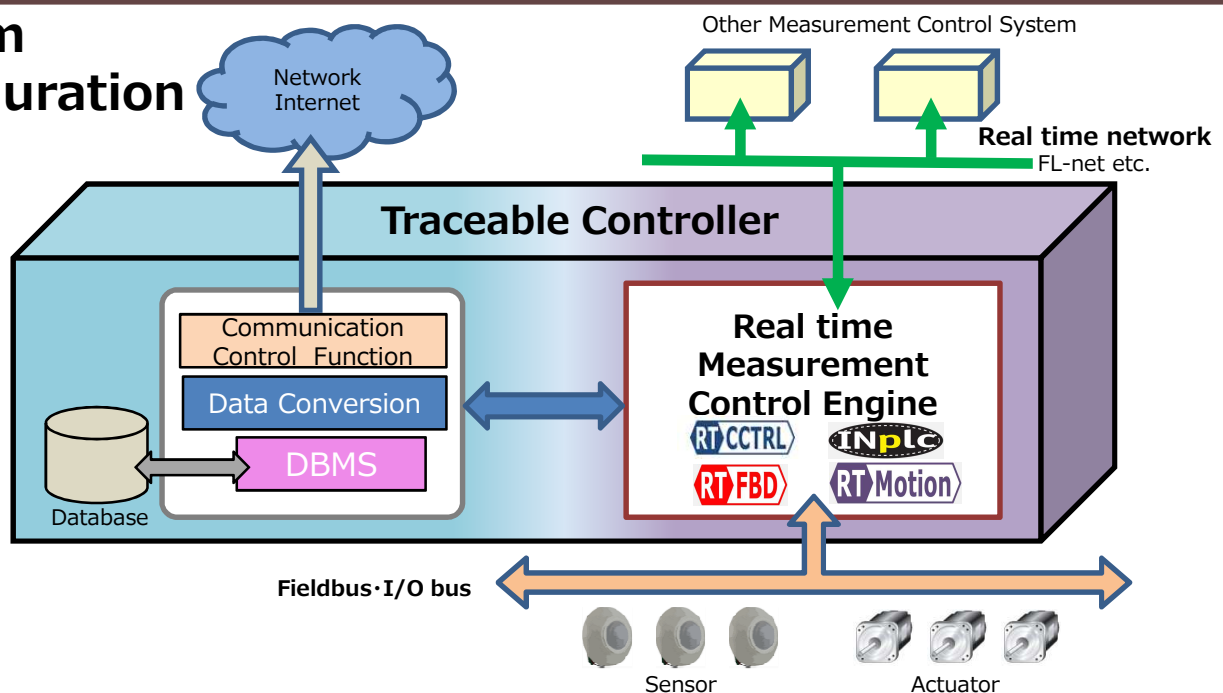# Traceable Controller

Traseable Controller is the best suited & newest Controller for IoT with both high-efficiency real time control and data processing such as product management, Quality, maintenance

- **Standard PCs are used for Controller as hardware without vendor limitation and with compatibility.**

- **Control Period is up to 100μs.**

- **Real time applications like control are executed by real time measurement control engine package.**

- **Regarding Real time measurement control engine, you can select according to your requirements, e.g. for C Language, for PLC Language, for dedicated function.**

- **Industry-Standard and Global-Standard can be used for network and external I/O of measurement / control system.**
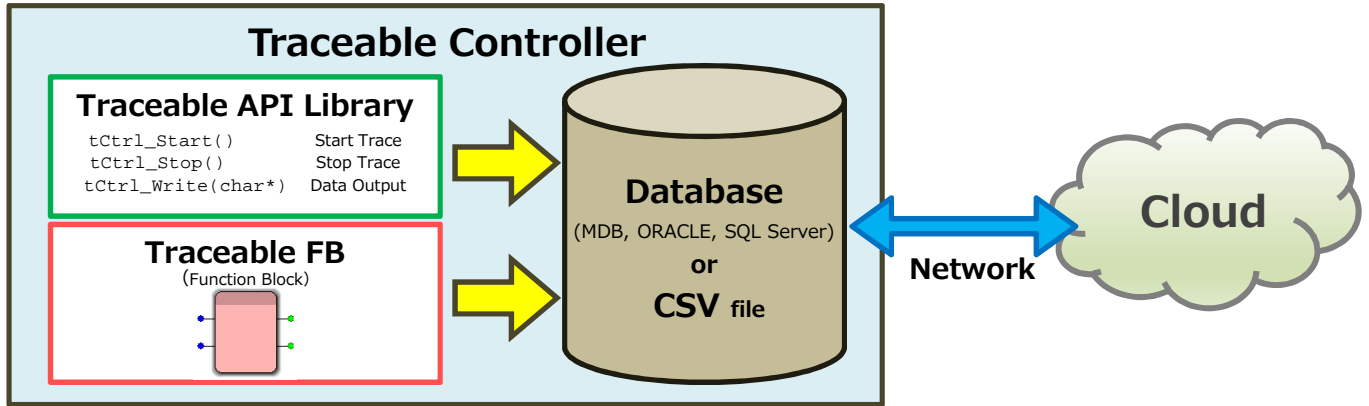

Conventional System

Network Internet

System introduced Traceable Controller

Network Internet

Touch Panel

Application

Data Processing

Data Saving

Data Acquisition/HMI

Control

I/O, Fieldbus

Measurement Control Segment

DI/O, AI/O   Sensor   Motion

DI/O, AI/O   Sensor   Motion

System Configuration

Network Internet

Other Measurement Control System

Real time network
FL-net etc.

Traceable Controller

Communication Control Function

Data Conversion

DBMS

Database

Real time Measurement Control Engine

RT CCTRL   INPLC
RT FBD   RT Motion

Fieldbus·I/O bus

Sensor   Actuator

Traceable Function

Traceable function is provided as API / FB according to development language specification for real time measurement control engine. You can change the setting information, enable/disable by parameters.

Traceable Controller

Traceable API Library

```
tCtrl_Start()        Start Trace
tCtrl_Stop()         Stop Trace
tCtrl_Write(char*)   Data Output
```

Traceable FB
（Function Block)

Database
(MDB, ORACLE, SQL Server)
or
CSV file

Cloud

Network

Selectable Real time Measurement Control Engine

Engine	Development Language <Development Tool>	Max Tasks / Min Control Period	Features
INplc	PLC language based on IEC61131-3 <INplc-SDK>	16tasks 100µs	Software PLC. You use PLC language based on IEC61131-3 in development.
RT CCTRL	C# <Visual Studio>	16tasks 100µs	Real time controller engine. You use C# language in development.
RT FBD	Function Block <INplc-SDK>	16tasks 100µs	Real time controller engine. You can combine function blocks in programming.
RT Motion	Parameter Setting	16axes 250µs	Real time engine with functions for motion control. You can achieve Positioning and so on.

I/O Instrument Interfaces

Main I/O Interface

Expansion Unit
   DIO, AIO, Pulse, Counter etc.

Fieldbus
   EtherCAT, CC-Link, CC-Link IE, FL-net, MECHATROLINK, SSC-NET, PROFINET, EtherNet/IP, DeviceNet etc.

Price Example (※ Ask our sales staffs on prices.)

Traceable Controller(Inplc)Starter Kit	JP¥128,000-
Size: 150x110x40[mm] CPU: Atom CPU Traceable Data Capacity: 16GB Standard Software:Windows, TraCon(INplc)	
EtherCAT I/O Option	**JP¥52,000-**
DI x 8 points, DO x 8 points	

Main Specifications

Hardware	PC/AT Compatible
Standard Traceable Capacity	2 TB
Control Period	100µs～
I/O	Standard I/O（USB, VGA) Expansion bus（PCI, PCIe) Network（TCP/IP,FL-net) Fieldbus
OS	Windows 7（32bit / 64bit) Windows 10（32bit / 64bit)

【Traceable Controller WEB Site】
http://mnc.co.jp/traceable/index_E.htm

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